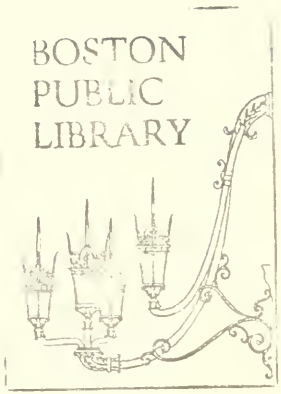
BOSTON
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LIBRARY

BRA
1943

QUALIFICATIONS

to

BOSTON PUBLIC LIBRARY

BOSTON REDEVELOPMENT AUTHORITY

for

SOUTH END RENEWAL PROJECT

HAYES PARK

BAYSIDE ENGINEERING ASSOCIATES, INC.

803 Summer Street

South Boston, MA 02127

Due

October 31, 1988 at 4:00 P.M.

Bayside Engineering Associates, Inc.

CONSULTING ENGINEERS - ARCHITECTS

803 SUMMER STREET
SOUTH BOSTON, MASSACHUSETTS 02127-1609
TELEPHONE (617) 269-5500

October 31, 1988

Mr. Paul Reavis
Assistant Director for Engineering
and Design Services, BRA
One City Hall Plaza
Boston, MA 02201

RE: South End Urban Renewal Area - Hayes Park

Dear Mr. Reavis:

Bayside Engineering Associates, Inc. is pleased to submit a statement of qualifications for your consideration regarding the above-mentioned project. As indicated in the enclosed material, we offer extensive prior experience in all the areas required for these studies and designs. Our firm specializes in structural and civil engineering. Many of our projects include resident engineering.

Bayside Engineering Associates, Inc., utilizing the women-owned MBE firm of Brown & Rowe, has the personnel to complete this project in its entirety. The experience of Bayside Engineering and Brown & Rowe over the years have made us experts in this type of work. Bayside has performed resident engineering services for Brown & Rowe in their Charlestown Navy Yard project which has just been completed.

Bayside is a Boston-based corporation which has committed itself to the highest quality civil engineering designs in and around Boston for over 21 years. Most of our senior personnel are lifelong residents of the City and have therefore developed a first-hand knowledge of our public works systems and a personal interest in maintaining a high level of excellence in their design and construction. Our Boston-educated engineers have worked in and around these systems for most of their professional careers.

Our previous work for the City has included roadway and other civil designs at the Charlestown Navy Yard for the Boston Redevelopment Authority; bridge resurfacing projects on Boston Street, Savin Hill Avenue and Dorchester Avenue for the Mass. D.P.W.; and the three phase reconstruction of Boston City Hall for the Public Facilities Department. It is our strong desire to continue to service our City through the Boston Public works Department.

Brown & Rowe is a Boston-based company which was established in 1981. This firm is a WBE enterprise. Since its inception Brown & Rowe has estabilshed itself as experts in park design and landscape architecture. Brown & Rowe has worked for the City of Boston many times. Several projects include the Charlestown Navy Yard, the American Legion Park in East Boston and the Francis Parkman Playground in Jamaica Plain. In all of these projects Brown & Rowe was the prime contractor in charge of the project which included contract documents and resident engineering.

Bayside Engineering prides itself in our professional approach to projects undertaken. We make a commitment to our clients to bring a project to a timely and successful completion and within budget restraints.

We look forward to working with the City of Boston again. If you have any further questions, please feel free to call me at your convenience.

Very truly yours,

BAYSIDE ENGINEERING ASSOCIATES, INC.

By A. Paul LaRosa
A. Paul LaRosa, P.E., President

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RELATED EXPERIENCES w/references

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-Brown & Rowe

RESUMES OF KEY PERSONNEL

-Bayside
-Browne & Rowe

AFFIRMITIVE ACTION

PROFILE

PROFILE

Bayside Engineering Associates, Inc., is a Boston based firm of over 50 Professional Engineers, Architects, technicians and support personnel that has been in operation for the past 20 years.

ENGINEERING

In the civil engineering field, Bayside's engineers have been engaged in urban renewal, bridges, highways, rapid transit facilities, land development, buildings, port and marine facilities, sanitary facilities, utility relocations, parks and playgrounds and site planning. In the past 20 years, designs produced by Bayside Engineering has accounted for more than 200 million dollars in construction value.

Our transportation engineers cover all phases of work from planning through construction administration and resident engineering services. The firm's engineers and planners have successfully completed projects involving interstate highway systems, urban and rural street systems, and arterial highways.

Our structural engineers have developed designs for some three hundred bridge projects including new structures and the rehabilitation of all types of existing structures.

Staff hydraulic engineers support the highway and land use engineers in making studies to provide for drainage and necessary hydraulic structures. This work includes run-off investigations, development of water surface profiles, back water and sizing analysis for storm drainage systems and bridge openings. The work is expedited by the firm's computer capabilities.

Bayside Engineering Associates, Inc. has impressive experience in the preparation of environmental impact statements and has successfully completed impact statements for several highway and land use projects.

SERVICES

Bayside Engineering Associates, Inc. and Bayside Associates offer the following design services.

ARCHITECTURE: Residential, commercial, and industrial planning and design; residential and office condominium design; space planning; structure rehabilitation; roof and facade replacement and repairs; building surveys, studies, and analysis; and contract documents.

ROOFING REPAIRS AND REPLACEMENTS: Complete design capabilities for roof systems such as built up roofs; Carlysle, Flagon and various other elastomeric membrane roofs; stainless steel standing seam roofs; slate, fire rated fiberglass, and asphalt shingles; waterproofing of masonry. Total services include contract documents and construction supervision.

HISTORIC RESTORATION: Complete rehabilitation capabilities including waterproofing and masonry repairs, window replacements, roof and facade replacement, maintenance of period styles, fire and safety code upgrades, permits, handicapped access, elevator installation, interior renovation (floors, ceilings, period lighting), shop drawings and contract documents.

SPORTS AND RECREATIONAL FACILITIES: Stadium and arena design; stadium seating; racetrack and grandstand design; clubhouse, locker room and shower facilities; designs for ballfields, tennis courts, swimming pools, hockey rinks and running tracks; complete exterior site work including lighting, fencing, paving and landscaping; marina designs; and contract documents.

COMMERCIAL AND INDUSTRIAL DESIGN: Complete designs for office condominiums, health care facilities, warehouses, distribution centers, hotels and motor lodges, printing plants, chemical manufacturing facilities, elevator design; gas station and fuel storage design; convenience markets and kitchen facilities design; space planning; shop drawings and contract documents; construction supervision.

GARAGE AND VEHICLE MAINTENANCE FACILITIES: Complete designs for multi-level parking garages and parking decks; inspection and repair shops, highway garages, vehicle maintenance shops; designs for the installation of vehicle lift equipment, service bays, fuel storage and pumping equipment; clean room design; offices and lavatories; contract documents and construction supervision.

STRUCTURAL ANALYSIS AND RENOVATION: Repairs and renovation to schools, warehouses, office buildings, etc; building conversions; foundation and framing design and analysis; structural reviews; design of waterfront structures and special foundations; safety survey, inspection and analysis of structures; shop drawing preparation and review; contract documents.

STRUCTURAL ENGINEERING: Building foundation and framing design and analysis; bridge design and ratings; waterfront structures; special foundations; safety survey, inspection, and analysis of structures; shop drawing preparation and review; and contract documents.

TRANSPORTATION ENGINEERING: Traffic analyses and reports; capacity studies; signalization and channelization design; parking studies; traffic safety planning and design; and route location planning and studies.

CIVIL ENGINEERING: Rural and urban highway design; site design; hydrological studies and reports; storm drainage and sewage collection systems design; sewage treatment facilities; solid waste disposal facilities; water supply and distribution systems; and contract documents.

PLANNING: Urban, development, and site planning; land use planning and specifications; feasibility studies and reports; land surveys; landscaping; infrastructure analysis and planning; environmental impact analysis and reports; and programming.

FIELD ENGINEERING: Field inspection and construction supervision; data collection; location surveys; and traffic counts.

Mechanical, electrical, geotechnical, and other engineering services, as needed are available to Bayside Engineering from exerienced consultants which Bayside has engaged on former projects.

STANDARD FORM 255

STANDARD FORM (SF) **255**
Architect-Engineer Related Services for Specific Project

1. Project Name / Location for which Firm is Filing:

South End Urban Renewal Area, Hayes Park

2a. ***Commerce Business Daily*** Announcement Date, if any:

2b. Agency Identification Number, if any:

3. Firm (or Joint-Venture) Name & Address

Bayside Engineering Associates, Inc
803 Summer Street
South Boston, MA 02127

3a. Name, Title & Telephone Number of Principal to Contact

A. Paul LaRosa, P.E. President
(617) 269-5500

3b. Address of office to perform work, if different from Item 3

4. Personnel by Discipline: (List each person only once, by primary function.)

6 Administrative	___ Electrical Engineers	___ Oceanographers	2 Computer Engineers
2 Architects	1 Estimators	1 Planners: Urban/Regional	1 Landscape Designer
___ Chemical Engineers	___ Geologists	1 Sanitary Engineers	3 Traffic Engineers
8 Civil Engineers	1 Hydrologists	1 Soils Engineers	___
2 Construction Inspectors	___ Interior Designers	2 Specification Writers	___
10 Draftsmen	___ Landscape Architects	4 Structural Engineers	___
1 Ecologists	___ Mechanical Engineers	2 Surveyors	___
___ Economists	___ Mining Engineers	2 Transportation Engineers	50 Total Personnel

5. If submittal is by JOINT-VENTURE list participating firms and outline specific areas of responsibility (including administrative, technical and financial) for each firm: (Attach SF 254 for each if not on file with Procuring Office.)

5a. Has this Joint-Venture previously worked together? ☐ yes ☐ no

7. Brief resume of key persons, specialists, and individual consultants anticipated for this project.

a. Name & Title: A. Paul LaRosa, P.E., President	a. Name & Title: Francis X. McGrath, P.E., Chief Civil Engineer
b. Project Assignment: Principal-in-Charge	b. Project Assignment: Project Manager
c. Name of Firm with which associated: Bayside Engineering Associates, Inc.	c. Name of Firm with which associated: Bayside Engineering Associates, Inc.
d. Years experience: With This Firm 20 With Other Firms 16	d. Years experience: With This Firm 20 With Other Firms 3
e. Education: Degree(s) / Year / Specialization A.E., 1956, Civil B.S., 1967, Industrial Tech.	e. Education: Degree(s) / Years / Specialization B.S., 1965, Civil M.S., 1966, Structural, Soils
f. Active Registration: Year First Registered/Discipline P.E., MA, 1960, Civil	f. Active Registration: Year First Registered/Discipline P.E., MA, 1972, Civil
g. Other Experience and Qualifications relevant to the proposed project: Mr. LaRosa is Engineer of Record for over 500 million dollars worth of civil and structural engineering projects.throughout the eastern seaboard. He served as chairman of the North Reading Sewer Committee; Former Commissioner of Public Works, North Reading, MA; served on the North Reading Planning Board. Directed these projects completed by Bayside: -Installation of water main, Chestnut Street, Abington, MA -Pumping Station, water main, sewer system, Digital Corp., Nashua, N.H. -Sanitary sewer system, North Sector of Revere,MA -New Sanitary Sewer System and Leaching Fields, Seabrook Yankee Greyhound Track, Seabrook, N.H.	g. Other Experience and Qualifications relevant to the proposed project: Participated in all Bayside's major sewer line projects and assignments involving hydraulic design and geotechnical analysis. Recent projects include: -New sanitary sewage treatment plant and leaching fields, Seabrook Yankee Greyhound, Seabrook, NH. -Design of new sanitary system with connections to the Metropolitan District Commission sewer system for urban renewal project, Brighton, MA -Pumping station, water main, and sewer system for corporate complex, Digital Equipment Corporation, Nashua, NH -New sanitary system including pumping stations,etc., North Revere, MA

7 Brief resume of key persons, specialists, and individual consultants anticipated for this project.

a. Name & Title: Domenic Quaraglia, P.E.	a. Name & Title: Majid Mobasseri
b. Project Assignment: Civil Engineer	b. Project Assignment: Civil Engineer
c. Name of Firm with which associated: Bayside Engineering Associates, Inc.	c. Name of Firm with which associated: Bayside Engineering Associates, inc.
d Years experience: With This Firm 3 With Other Firms 12	d. Years experience: With This Firm 2 With Other Firms 5
e Education: Degree(s) / Year / Specialization B.S., 1975, Civil, Wentworth Institute of Technology M.S., Civil, University of Lowell	e. Education: Degree(s) / Years / Specialization B.S., 1978, Civil, Sharif University of Technology, Tehran M.S., 1981, Civil, Washington State University, Pullman, WASh. Ph.D., 1986, Structural,University of Texas at Austin, Texas
f Active Registration: Year First Registered/Discipline P.E., CT, N.H., ME, MA, Structural Engineering 1984	f. Active Registration: Year First Registered/Discipline
g. Other Experience and Qualifications relevant to the proposed project: Mr. Quaraglia has served as a senior engineer on Bayside's statewide bridge inventory and rating program. Experience includes bridge repair and replacement designs, field inspections; design and reconstruction of roadway approaches. - Rehabilitation designs for an historic Warren truss bridge, Buckland-Shelburne, MA - Bridge inspection and rating program throughout MASS. - Roadway approach, Dorchester Ave., Bridge, Boston. - Designs for a through girder bridge and a walkway addition Townsend, MA - Design for a steel stringer bridge, Acton, over Rte. 2 - Design Approach, roadway for bridge, Rte. 38, Tewksbury over B&M Railroad.	g. Other Experience and Qualifications relevant to the proposed project: Served as Civil Engineer on the following related projects: - Ayer, Bridge renovation design - Tewksbury, Design rpadway approach for bridge over B&M Railroad - Boston, design for roadway approach, Boston Street Bridge - Brockton, Bridge Renovation Design - Acton, Bridge Renovation design - Swampscott, Bridge Renovation Design

7. Brief resume of key persons, specialists, and individual consultants anticipated for this project.

a. Name & Title:
Stanley C. Andrukonis, P.E.

b. Project Assignment:
Structural Engineer

c. Name of Firm with which associated:
Bayside Engineering Associates, Inc.

d. Years experience: With This Firm 2 With Other Firms 31

e. Education: Degree(s) / Year / Specialization
B.S., Civil, Worcester Polytechnic Institute
M.S., Northeastern University

f. Active Registration: Year First Registered/Discipline
P.E., MA, Civil

g. Other Experience and Qualifications relevant to the proposed project:
Project Engineer for the rehabilitation of various port facilities for the Massachusetts Port Authority in Boston, MA. Work included preparation of plans and specifications for the following:

- Replacement of timber piles, repair of steel retaining walls, reframing of timber wharf, and a new pier fender system at the Castle Island Terminal, Boston, MA.
- Design and construction supervision of cathodic protection systems for four piers.
- Releveling and reinforcements of rigid steel frames at Commonwealth Pier 4 to reduce stress caused by differential settlement.

a. Name & Title:
Joseph A. Handziak

b. Project Assignment:
Highway Design Engineer

c. Name of Firm with which associated:
Bayside Engineering Associates, Inc.

d. Years experience: With This Firm 21 With Other Firms 14

e. Education Degree(s) / Years / Specialization
B.S., Civil, Northeastern University

f. Active Registration: Year First Registered/Discipline
N/A

g. Other Experience and Qualifications relevant to the proposed project:
-Design and reconstruction of:
o New Harbor Road Bridge over B&M R.R., Clinton, MA
o Southampton St. Bridge over MBTA & Conrail, Boston, MA
o Route 113 bridge over Nashua River, Pepperell, MA
o Bridge Street over Mitchell River, Gloucester, MA
-Reconstruction of Route 58 (6.5 miles), Plympton-Halifax
-Intersection improvements: Hudson, Seekonk, MA
-Concord, Route 2
-Route 495, (including 30 miles of safety reconstruction and 36 high hazard locations)
-Amherst-Hadley by-pass

7. Brief resume of key persons, specialists, and individual consultants anticipated for this project.

a. Name & Title: Domenick D. DiLeo, P.E.	a. Name & Title: Edward M. Sabbagh, P.E.
b. Project Assignment: Senior Structural Engineer	b. Project Assignment: Structural Design
c. Name of Firm with which associated: Bayside Engineering Associates, Inc.	c. Name of Firm with which associated: Bayside Engineering Associates, Inc.
d. Years experience: With This Firm 3 With Other Firms 33	d. Years experience: With This Firm 3 With Other Firms 6
e. Education: Degree(s) / Year / Specialization A.S. Civil, Structural Engineering, 1952 Lincoln College at Northeastern University	e. Education: Degree(s) / Years / Specialization A.S., 1979, Civil, Worcester Polytechnic Institute B.S., 1976 Civil, University of Mass., Amherst
f. Active Registration: Year First Registered/Discipline P.E., Ma., 1960, Structural	f. Active Registration: Year First Registered/Discipline P.E., Ma 1986, Structural
g. Other Experience and Qualifications relevant to the proposed project: Senior structural engineer on the following Bayside building design projects: -Milford Public Works Garage and Office building, Milford, Ma -Dudley Highway Garage and Office Building, Dudley, Ma -Rockingham Race Track Complex, Salem, N.H. new grandstand reconstructed clubhouse. -AuBon Pain Bakery and Office Building, South Boston -Elevator reconstruction U. Mass. Law Library, Boston -Salem State College, Salem, Ma. Repairs to campus build. -Highway garage and offices, Dudley, Ma.	g. Other Experience and Qualifications relevant to the proposed project: Structural design on building projects and renovations to existing buildings. Projects include: -Milford Public Works Garage and office facility engineered design, Milford, Ma. -AuBon Pain Bakery and Office facility, Boston, Ma. Structural design -421 Summer Street Office building structural designs for this 9 story 250,000 s.f. build. reno. -Rockingham Race Track complex, Salem N.H. $12,000,000 restoration venture -Renovations to 11 Methuen Schools, Methuen, Ma.

STANDARD FORM 255 (Rev. 10-83)

Brown and Rowe

STANDARD FORM (SF) **255**
Architect-Engineer Related Services for Specific Project

1. Project Name / Location for which Firm is Filing:

2a. ***Commerce Business Daily*** Announcement Date, if any:

N/A

2b. Agency Identification Number, if any:

N/A

3 Firm (or Joint-Venture) Name & Address

Brown and Rowe
Landscape Architects and Planners
58 Winter Street
Boston, MA 02108

3a. Name, Title & Telephone Number of Principal to Contact

Clarissa Rowe, Partner
(617) 542-8552

3b. Address of office to perform work, if different from Item 3

same

4. Personnel by Discipline:

2 Administrative	___ Electrical Engineers	___ Oceanographers	4	Landscape Designers
___ Architects	___ Estimators	___ Planners: Urban/Regional	___	
___ Chemical Engineers	___ Geologists	___ Sanitary Engineers	___	
___ Civil Engineers	___ Hydrologists	___ Soils Engineers	___	
___ Construction Inspectors	___ Interior Designers	___ Specification Writers	___	
___ Draftsmen	4 Landscape Architects	___ Structural Engineers	___	
___ Ecologists	___ Mechanical Engineers	___ Surveyors		
___ Economists	___ Mining Engineers	___ Transportation Engineers	10	Total Personnel

5. If submittal is by Joint-Venture list participating firms and outline specific areas of responsibility (including administrative, technical and financial) for each firm: (Attach SF 254 for each if not on file with Procuring Office.)

Not applicable

5a. Has this Joint-Venture previously worked together? ☐ yes ☐ no

Standard Form 255 July 1975
Prescribed By GSA Fed. Proc. Reg. (41 CFR) 1-16.800

7. Brief Resume of Key Persons, Specialists, and Individual Consultants Anticipated for this Project

a. Name & Title: Clarissa Rowe, Partner	a. Name & Title: Cornelia Brown, Partner
b. Project Assignment: Landscape Architect	b. Project Assignment: Landscape Architect
c. Name of Firm with which associated: Brown and Rowe	c. Name of Firm with which associated: Brown and Rowe
d. Years experience: With This Firm 7 With Other Firms 7	d. Years experience: With This Firm 7 With Other Firms 6.5
e. Education: Degree(s) / Year / Specialization Conway School of Landscape Design, Graduate 1974 Bachelor of Arts in American History, Bryn Mawr, 1970	e. Education: Degree(s) / Years / Specialization Master of Landscape Architecture, University of Pennsylvania, 1975 Bachelor of Arts in English, Radcliffe College 1971
f. Active Registration: Year First Registered/Discipline 1977, Landscape Architecture, Massachusetts Reg. #675	f. Active Registration: Year First Registered/Discipline 1982, Landscape Architecture, Massachusetts Reg. #740
g. Other Experience and Qualifications relevant to the proposed project: * streetscape experience in Boston and Cambridge, MA and Manchester, NH * park experience with the Department of Environmental Management, Metropolitan District Commission of MA, City of Manchester, NH, and the Boston Redevelopment Authority of Boston, MA * historic park restoration in urban environments in Lowell and Cambridge, MA * familiarity with park development issues and the associated complex construction problems * highway site improvements in Franklin County, MA * experience with public agencies in Massachusetts, New Hampshire and with federal agencies, National Park Services, H.C.R.S., L&WCF and HUD * specialist in cost estimating and cost control	g. Other Experience and Qualifications relevant to the proposed project: * streetscape experience with the National Park Service, Lowell, MA, Hartford, CT, and Manchester, NH * park experience with the Boston Redevelopment Authority, Boston, MA, the City of Manchester, NH and the Town of Hudson, NH * familiarity with park development issues * experience with federal agencies, O.C.Z.M., Army Corps of Engineers, National Park Service, H.C.R.S., L&WCF and HUD * experience with public agencies in Massachusetts, New Hampshire, South Carolina, Washington and Idaho * experience in urban planning and environmental planning * extensive experience with public participation and public-private ventures

Standard Form 255 July 1975
Prescribed By GSA Fed Proc. Reg (41 CFR) 1-16 803

7. Brief Resume of **Key** Persons, Specialists, and Individual Consultants Anticipated for this Project

a. Name & Title: Alison Richardson, Senior Associate	a. Name & Title: Katharine Troast, Senior Associate
b. Project Assignment: Landscape Architect	b. Project Assignment: Landscape Architect, Landscape Planner
c. Name of Firm with which associated: Brown and Rowe	c. Name of Firm with which associated: Brown and Rowe
d. Years experience: With This Firm 1 year With Other Firms 10	d. Years experience: With This Firm 3.75 years With Other Firms 8
e. Education: Degree(s) / Year / Specialization Bachelor of Science, University of Wisconsin, 1976	e. Education: Degree(s) / Years / Specialization Conway School of Landscape Design, Graduate, 1980 Bachelor of Arts, Economics and Studio Art, Middlebury College, 1976
f. Active Registration: Year First Registered/Discipline 1980, Landscape Architecture, Massachusetts #658	f. Active Registration: Year First Registered/Discipline 1986, Landscape Architecture, Rhode Island 1987, Landscape Architecture, Massachusetts #909
g. Other Experience and Qualifications relevant to the proposed project: * waterfront park experience in Toledo, OH, Hudson, NH, and Lowell, MA * site planning of office parks in Fairfax County, VA and corporate headquarters in Toledo, OH * site planning for Housing, Lincoln, MA * extensive experience with construction documents and construction development	g. Other Experience and Qualifications relevant to the proposed project: * streetscape experience in Manchester, NH, Hartford, CT, and Cambridge, MA * park planning and design of historic sites in Lowell and Cambridge, MA, Cranston, RI and Manchester, NH * urban park planning and recreation project experience * experience with working on teams and adhering to tight schedules * experience with coordination and production of landscape construction documents * experience with federal, state and city agencies, O.C.Z.M., H.U.D., E.D.A., D.E.M.

Standard Form 255 July 1975
Prescribed By GSA Fed Proc Reg (41 CFR) 1-16 803

7. Brief Resume of Key Persons, Specialists, and Individual Consultants Anticipated for this Project

a. Name & Title: Joan-Ellen Furlong	a. Name & Title: Irene Carlson
b. Project Assignment: Landscape Planner	b. Project Assignment: Landscape Planner
c. Name of Firm with which associated: Brown and Rowe	c. Name of Firm with which associated: Brown and Rowe
d. Years experience: With This Firm 3.75 years With Other Firms .5	d. Years experience: With This Firm 2.25 With Other Firms 4
e. Education: Degree(s) / Year / Specialization Master of Landscape Architecture, Harvard University, 1985 Bachelor of Fine Arts, Smith College, 1982	e. Education: Degree(s) / Years / Specialization Conway School of Landscape Design, Graduate, 1982 Bachelor of Science, Bridgewater State College, 1978
f. Active Registration: Year First Registered/Discipline	f. Active Registration: Year First Registered/Discipline
g. Other Experience and Qualifications relevant to the proposed project: * design experience includes public open spaces, park planning and urban streetscapes * experience with state and city agencies * experience with the production of landscape construction documents * skilled in graphic presentation of materials * ability to work in teams and adhere to tight schedules	g. Other Experience and Qualifications relevant to the proposed project: * streetscape experience in Manchester, NH * experience with the production of landscape construction documents * experience with waterfront projects * experience with environmental studies * skilled in graphic presentation of materials * ability to work on teams and adhere to tight schedules * experience with city and state agencies

Standard Form 255 July 1975
Prescribed By GSA Fed Proc Reg (41 CFR) 1-16 803

7. Brief Resume of Key Persons, Specialists, and Individual Consultants Anticipated for this Project

a. Name & Title:
Carol Schein

b. Project Assignment:
Landscape Designer

c. Name of Firm with which associated:
Brown and Rowe

d. Years experience: With This Firm 3.75 years With Other Firms 7

e. Education: Degree(s) / Year / Specialization
Radcliffe College, Landscape Design, 1986
Bachelor of Science, Syracuse University, 1973

f. Active Registration: Year First Registered/Discipline

g. Other Experience and Qualifications relevant to the proposed project:

* experience with production of landscape construction documents
* experience with landscape design of historical parks
* skilled on graphic presentation of materials
* familiarity with city and state agencies
* ability to work on teams and adhere to tight schedules

a. Name & Title:
Herawati Ramli

b. Project Assignment:
Landscape Designer

c. Name of Firm with which associated:
Brown and Rowe

d. Years experience: With This Firm 1.5 years With Other Firms 3.5

e. Education: Degree(s) / Year / Specialization
Bachelor of Architecture, Bandung Institute of Technology, Indonesia, 1982
Masters of Landscape Arch., Harvard University, expected 1988

f. Active Registration: Year First Registered/Discipline

g. Other Experience and Qualifications relevant to the proposed project:

* experience in site planning for housing in Indonesia
* experience with production of landscape and architecture construction documents
* ability to workon teams and adhere to tight schedules

STANDARD FORM 254

STANDARD FORM (SF)

254

Architect-Engineer and Related Services Questionnaire

BAYSIDE ENGINEERING ASSOCIATES, INC.
803 Summer Street
South Boston, MA 02127

Established: 1967 | August 22, 1988

1a. Submittal is for ☐ Parent Company ☐ Branch or Subsidiary Office

4. Specify type of ownership *and* check below, if applicable.
Corporation

- [x] A. Small Business
- [ ] B. Small Disadvantaged Business
- [ ] C. Woman-owned Business

5. Name of Parent Company, if any:

5a. Former Parent Company Name(s), if any, and Year(s) Established:

6. Names of not more than Two Principals to Contact: Title / Telephone
1) A. Paul LaRosa, P.E., President (617)269-5500
2)

7. Present Offices: City / State / Telephone / No. Personnel Each Office

803 Summer Street, Boston, MA (617) 269-5500 50 Personnel

7a. Total Personnel 50

8. Personnel by Discipline: *(List each person only once, by primary function.)*

6 Administrative	___ Electrical Engineers	___ Oceanographers	2 Computer Engineers
5 Architects	1 Estimators	1 Planners: Urban/Regional	1 Landscape Designer
___ Chemical Engineers	___ Geologists	1 Sanitary Engineers	
8 Civil Engineers	1 Hydrologists	1 Soils Engineers	
2 Construction Inspectors	___ Interior Designers	2 Specification Writers	
10 Draftsmen	___ Landscape Architects	4 Structural Engineers	
1 Ecologists	___ Mechanical Engineers	2 Surveyors	
___ Economists	___ Mining Engineers	2 Transportation Engineers	

9. Summary of Professional Services Fees Received: (Insert index number)

	Last 5 Years (most recent year first)				
	19 87	19 86	19 85	19 84	19 83
Direct Federal contract work, including overseas	2	2	1	1	1
All other domestic work	6	5	5	5	5
All other foreign work*					

*Firms interested in foreign work, but without such experience, check here: ☐.

Ranges of Professional Services Fees

INDEX
1. Less than $100,000
2. $100,000 to $250,000
3. $250,000 to $500,000
4. $500,000 to $1 million
5. $1 million to $2 million
6. $2 million to $5 million
7. $5 million to $10 million
8. $10 million or greater

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 011	40	7,085	11) 056	55	272	21) 107	93	1,875
2) 021	13	incl. with design	12) 059	22	160	22) 110	65	3,570
3) 023	all	incl. with design	13) 062	41	82	23) 113	11	9,400
4) 031	8	14,782	14) 076	43	181	24)		
5) 033	incl. with design		15) 079	64	66	25)		
6) 036	incl. in new & reno projects		16) 082	60	ongoing	26)		
7) 039	9	180	17) 088	8	2,730	27)		
8) 046	55	990	18) 089	25	12,257	28)		
9) 047	3	86	19) 094	incl. in new & reno projects		29)		
10) 052	15	272	20) 101	42	6,981	30)		

11. Project Examples, Last 5 Years

Profile Code	"P", "C", "JV", or "IE"	Project Name and Location	Owner Name and Address	Cost of Work (In thousands)	Completion Date (Actual or Estimated)
011 102 033	P	1 Analysis and rahabilitation designs for the North End Bridge over the Connecticut River, W. Springfield, MA	Mass. Department of Public Works 10 Park Plaza Boston, MA	7,500	1987
011 102 033	P	2 Reconstruction of Bridges L-4-22 and L-4-23, South Union St. over B&M Rail Road & MBTA, Lawrence, MA	Mass. Department of Public Works 10 Park Plaza Boston, MA	2,400	1991
031 060 101	P	3 Replacement of 5 13-story elevators at U. Mass. at Boston Library building	Dept. of Capital Planning & Operation 1 Ashburton Place Boston, MA 02108	1,400	1987
031 101	P	4 Install 8 9-story elevators at 421 Summer St., part of complete renovation project.	Pappas Corporation 450 Summer Street South Boston, MA 02210	10,000	1986
039 079 102	P	5 Design for new highway garage in Milford, MA	Town of Milford Milford, MA 01757	700	1985
039 079 102	P	6 Design for a new maintenance garage in Dudley, MA	Town of Dudley Dudley Town Hall Dudley, MA; Carol Baron 943-8814	600	1986
046 033 102	P	7 Full depth reconstruction of Rt. 97, Groveland, MA	Danvers Dept. of Public Works 485 Maple St., Danvers, MA	1,400	1985

046 067 033 094 102	P	8 Total reconstruction of the Rockingham Race Track, Salem, NH. Included buildings, water supply, sewerage systems parking, landscaping, etc.	Rockingham Venture, Inc. Rockingham Park Boulevard Salem, NH 03079	12,000	1984
047 101 089 031	P	9 3-story elevator installation and handicap access at Peabody City Hall	Peabody Historical Commision City Hall, Lowell Street Peabody, MA 01960	550	1984
047 060	P	10 Renovation design for historic stone masonry structure w/ external & internal designs at the Connolly Libr.	Boston Public Facilities Department 26 Court Street Boston, MA 02108	300	1985
048 089 101 001	P	11 Conversion of an adult ambulatory unit to an intensive care unit for children at Boston City Hospital	Boston Public Facilities Department 26 Court Street Boston, MA 02108	190	1988
048 089 101 001	P	12 Design for an ambulatory unit at the V.A. Hospital	Veterans Administration 150 South Huntington Avenue Jamaica Plain, MA	420	1987
052 072 113	P	13 Star Container Corp.'s Manufacturing Facility and 2 subsequent additions, Leominster, MA	Star Contain Corporation Pioneer Drive Leominster, MA	2,580	1987
052 072 113/03	P	14 TJ Maxx's Administration Headquarters and Offices	Crowley Corporation Leominster, MA 480-1803	6,000	1985
056 107 033	P	15 Irrigation and drainage on Route 67, North Brookfield, MA	Mass. Department of Public Works 10 Park Plaza Boston, MA	4,000	1988
056 107 033	P	16 Irrigation and drainage on Route 58, Halifax-Plympton, MA	Mass. Department of Public Works 10 Park Plaza Boston, MA	3,500	1986
062 110	P	17 Reconstruction design for Blackstone Block, the oldest street network in the U.S., Boston, MA	Boston Redevelopment Authoriy One City Hall Square Boston, MA	240	1985
076 033 079 102	P	18 Everything from field survey to obvariances and building permits; incl. layout and facility design work	Mobil Oil Corporation 580 Chelsea Street East Boston, MA	$1,000-$15,000 varies per job	ongoing
076 033 079 102	P	19 Everything from field survey to obvariances and building permits; incl. layout and facility design work	Texaco Refining & Marketing, Inc. 71 Spitbrook Road, Suite 306 Nashua, NH 03062	$1,000-$15,000	ongoing

8. Work by firm or joint-venture members which best illustrates current qualifications relevant to this project (list not more than 10 projects).

a. Project Name & Location	b. Nature of Firm's Responsibility	c. Project Owner's Name & Address	d. Completion Date (actual or estimated)	e. Estimated Cost (in thousands)	
				Entire Project	Work for which Firm was/is responsible
(1) Boarding House Park Lowell, Massachusetts	Prime in charge of park design and contract documents	National Park Service 15 State Street Boston, MA 02110	Fall 1988	$1,300,000	Design & contract documents
(2) Shipyard Park Charlestown Navy Yard Boston, Massachusetts	Prime in charge of park design and contract documents	Boston Redevelopment Authority One City Hall Square Boston, MA	1988 Spring	$2,300,000	waterfront park design and constructi documents
(3) Eastern Canal Park and Kerouac Commemorative Lowell, Massachusetts	prime in charge of landscape architecture & contract documents	City of Lowell 50 Arcand Drive Lowell, MA	1988 Spring	$1,000,000	schematic design & contract documents
(4) Winthrop Park Restoration Cambridge, Massachusetts	prime in charge of park design and restoration and contract documents	City of Cambridge Community Development Dept. Cambridge, MA	Spring 1987	$ 200,000	park design and contract documents
(5) Manchester Riverfront Park Stark Street Crossing Manchester, New Hampshire	prime in charge of landscape architecture and contract documents	City of Manchester Parks and Recreation Dept. 625 Mammoth Road Manchester, New Hampshire	Spring 1987	$ 300,000	design of heritage walk steps & contra documents
(6) Manchester Riverfront Park Gateway & Printwork Parks Manchester, New Hampshire	prime in charge of landscape architecture	same as above	1983	Design: $81,000 CB: $350,000	Design of element in two parks
(7) Francis Parkman Playground/ South Street Mall Jamaica Plain, MA	prime in charge of landscape architecture and contract documents	Boston Parks and Recreation Dept. 294 Washington St., Boston, MA	1988	$ 316,000	design of river walk, steps & ornam. ironwork
(8) American Legion Park East Boston	prime in charge of landscape architecture and contract documents	same as above	1988	$ 315,000	design & contract documents
(9) Veronica Smith Senior Center/Sculpture Garden	design development landscape architecture and contract documents	Public Facilities Dept. 26 Court Street Boston, MA for MGIA Architects Boston, MA	1988	$ 135,000	design of park/garden contract doc
(10) Wall Street Development Project Manchester, New Hampshire	prime in charge of streetscape improvements	Greater Manchester Development Corporation, Manchester, NH	Spring 1988	$ 375,000	design and contract documents

062	P	handicap access designs for 50-60 post offices throughout Rhode Island	United States Postal Service Providence Division 24 Corliss St., Providence, RI	prices vary from job to (1,000-15,000)	ongoing
088 101 103 080	P	21 Renovation design services for several areas incl. structural design for additions, tennis courts & swimming pool	E Street Associates, Inc. South Boston, MA 269-4300	1,800	ongoing
089 029	P	22 Roof replacement and new roof constr. for 11 schools with interior and exterior renovations	Methuen Dept. of Public Works 90 Hampshire Street Methuen, MA	4,500	1986
089 029	P	23 Extensive repair to fire-damaged John P. Holland School incl. repair to roof, windows, & doors. (interior & exterior)	City of Boston Public Facilities Dep. 26 Court Street Boston, MA 02108	1,300	1986
094 062 037	P	24 Design for security card reader to activate sliding gate for the Back Bay Refuge in Virginia	US Dept. of Fish and Wildlife Backbay, Virginia	80	1988
101 055 036	P	25 Design for the New Central Kitchen Facility in Boston, MA	City of Boston Public Facilities Dep. 26 Court Street Boston, MA	1,300	1988
101 072	P	26 Conversion of a 7-story wool warehouse into office condominiums incl. 200,000 s.f. of office space at 421 Summer St.	Pappas Companies 450 Summer Street South Boston, MA	12,000	1986
107 033 102	P	27 Reconstruction of Bay Ridge & Baker Pond Roads, Orleans, MA	Town of Orleans Town Hall Orleans, MA	500	1986
107 033 102	P	28 Reconstruction of Auburn St., Rt. 14, Brockton-Whitman, MA incl. traffic signal drainage, pavement markings, sidewalks	City of Brockton, Dept. of Public Works City Hall, Brockton, MA	2,250	1986
089 101	P	29 Renovations to Building #14 at the Portsmouth Naval Shipyard, Portsmouth, NH	Dept. of the Navy Philadelphia, PA	800	1988
011 046 056	P	30 Reconstruction of bridge decks and highway safety improvements to 4 miles to Route 2, Littleton, MA	Mass. Department of Public Works 10 Park Plaza Boston, MA	2,200	1990

12. The foregoing is a statement of facts

Signature: A Paul LaRosa Typed Name and Title: A. Paul LaRosa, P.E., President

Date: August 22, 1988

GPO : 1984 O - 434-844

Brown & Rowe

STANDARD FORM (SF) **254**
Architect-Engineer and Related Services Questionnaire

1. Firm Name / Business Address:
Brown and Rowe
Landscape Architects and Planners
58 Winter Street
Boston, Massachusetts 02108

1a. Submittal is for ☒ Parent Company ☐ Branch Office

2. Year Present Firm Established: 1981

3. Date Prepared: March 24, 1988

4. Type of Ownership: Partnership

4a. Minority Owned ☐ yes ☒ no
Women-owned Business Enterprise-yes

5. Name of Parent Company, if any:
same

5a. Former Firm Name(s), if any, and Year(s) Established:
not applicable

6. Names of not more than Two Principals to Contact: Title / Telephone

1) Clarissa Rowe, Partner (617) 542-8552
2) Cornelia W. Brown, (617) 542-8552

7. Present Offices: City / State / Telephone / No. Personnel Each Office
58 Winter Street
Boston, Massachusetts 02108
(617) 542-8552

7a. Total Personnel 11

8. Personnel by Discipline:

2 Administrative	___ Electrical Engineers	___ Oceanographers	5 Landscape Designers
___ Architects	___ Estimators	___ Planners: Urban/Regional	
___ Chemical Engineers	___ Geologists	___ Sanitary Engineers	
___ Civil Engineers	___ Hydrologists	___ Soils Engineers	
___ Construction Inspectors	___ Interior Designers	___ Specification Writers	
___ Draftsmen	4 Landscape Architects	___ Structural Engineers	
___ Ecologists	___ Mechanical Engineers	___ Surveyors	
___ Economists	___ Mining Engineers	___ Transportation Engineers	

9. Summary of Professional Services Fees Received: (insert index number)

	Last 5 Years (most recent year first)				
	19 87	19 86	19 85	19 84	19 83
Direct Federal contract work, including overseas			1		
All other domestic work	3	3	2	1	2
All other foreign work*					

*Firms interested in foreign work, but without such experience, check here: ☐.

Ranges of Professional Services Fees
INDEX
1. Less than $100,000
2. $100,000 to $250,000
3. $250,000 to $500,000
4 $500,000 to $1 million
5 $1 million to $2 million
6 $2 million to $5 million
7 $5 million to $10 million
8 $10 million or greater

Standard Form 254 July 1975
Prescribed By GSA Fed. Proc. Reg. (41 CFR) 1-16.8

10. Profile of Firm's Project Experience, Last 5 Years

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 079	4	$ 200,000	11)			21)		
2) 059	17	$1,000,000	12)			22)		
3) 042	1	$ 200,000	13)			23)		
4) 033	1	$ 50,000	14)			24)		
5) 050	4	$ 25,000	15)			25)		
6) 110	1	$ 50,000	16)			26)		
7)			17)			27)		
8)			18)			28)		
9)			19)			29)		
10)			20)			30)		

11. Project Examples, Last 5 Years

Profile Code	"P", "C", "JV", or "IE"	Project Name and Location	Owner Name and Address	Cost of Work (in thousands)	Completion Date (Actual or Estimated)
079	P	1 Eastern Canal Plaza & Neighborhood Master Plan Lowell, Massachusetts	City of Lowell 50 Arcand Drive Lowell, Massachusetts	$1,000,000	1988
059	P	2 Boarding House Park Lowell, Massachusetts	National Park Service 15 State Street Boston, Massachusetts	$1,300,000	Fall 1988
079	P	3 Manchester Riverfront Park Master Plan Manchester, New Hampshire	City of Manchester, Parks and Rec. Parks and Recreation Department 625 Mammoth Road Manchester, New Hampshire 03101	$ 300,000	1987
059	P	4 Winthrop Square Park Restoration Cambridge, Massachusetts	City of Cambridge, Community Dev. City Hall Annex 57 Inman Street Cambridge, Massachusetts 02138	$ 200,000	1986
059 & 042	P	5 Shipyard Park Charlestown Navy Yard Boston, Massachusetts	Boston Redevelopment Authority One City Hall Square Boston, Massachusetts 02201	$2,300,000	1988
059	P	6 Canalway Demonstration Project Lowell, Massachusetts	City of Lowell 50 Arcand Drive Lowell, Massachusetts 01852	$ 240,000	Spring 1987
033	C	7 Route 2 Relocation Project Erving-Wendell-Orange Franklin County, Massachusetts	Commonwealth of Massachusetts Dept. of Public Works Boston, Massachusetts	$ 20,000,000	1990

Standard Form 254 July 1975
Prescribed By GSA Fed Proc Reg (41 CFR) 1-16 803

059	P	Arms Promenade Manchester, New Hampshire	Parks and Recreation Department 625 Mammoth Road Manchester, New Hampshire 03101	$ 240,000	1984
059	P	9 Manchester Riverfront Park Gateway Printworks Park Manchester, New Hampshire	(Same as above)	$ 600,000	1983
059	P	10 Manchester Riverfront Park Stark Street Crossing Manchester, New Hampshire	(Same as above)	$ 300,000	1987
059	P	11 Wall Street Manchester, New Hampshire	Greater Manchester Development Corp Elm Street Manchester, New Hampshire	$ 375,000	1987
059	C	12 ADE Corporate Headquarters Courtyard Newton, Massachusetts	ADE Corporation Rowe Street Newton, Massachusetts	$ 80,000	1982
059	C	13 Savenors Supply Company Gateway Development Cambridge and Somerville, Massachusetts	Alan Savenor 90 Kirkland Street Cambridge, Massachusetts	$ 225,000	1985
050	C	14 E.O.C.D. Housing, Peabody Peabody, Massachusetts	for Donham and Sweeney 103 Broad Street Boston, Massachusetts	N/A	1987
050	C	15 E.O.C.D. Housing East Bridgewater, Massachusetts	for Donham and Sweeney 103 Broad Street Boston, Massachusetts	N/A	1987
050	C	16 Marian Gardens Lynn, Massachusetts	E. Denis Walsh 73 Tremont Street Boston, Massachusetts	$ 330,000	1983
050	C	17 Seal Harbor Quincy, Massachusetts	for Add, Inc., Architects 675 Massachsuetts Ave. Cambridge, Massachusetts 02138	$4,000,000	1985
110	C	18 Hartford Pedestrian Transit Project Hartford, Connecticut	City of Hartford 550 Main Street Hartford, Connecticut	$3,500,000	1990
059	C	19 Youville Hospital Cambridge, Massachusetts	for Payette Associates, Inc. 40 Isabella Street Boston, Massachusetts 02116	$10,500,000	1986-1990

Standard Form 254 July 1975
Prescribed By GSA Fed Proc Reg (41 CFR) 1-16 800

079	P	20 Beaver Country Day School Brookline, Massachusetts	Beaver Country Day School 791 Hammond Street Brookline, Massachusetts	N/A	1986
059	C	21 Wayland Public Library Wayland, Massachusetts	Town of Wayland Wayland, Massachusetts	N/A	1985
079	C	22 Whale Rock Land Company Narrangansett, Rhode Island	for Donham and Sweeney 103 Broad Street Boston, Massachusetts	N/A	1989
059	C	23 Nantasket Bathhouse Nantasket Beach Hull, Massachusetts	Metropolitan District Commission Hull, Massachusetts	N/A	1983
059	P	24 Prescott Way Lowell Massachusetts	City of Lowell Planning Department Lowell, Massachusetts	$ 350,000	1988
059	P	25 Merrill Park Hudson, New Hampshire	Town of Hudson Department of Public Works Hudson, New Hampshire	$ 75,000	1987
079	P	26 Hudson Master Plan Hudson, New Hampshire	Town of Hudson Dept. of Public Works Hudson, New Hampshire	$ 22,900	1988
059	P	27 Francis Parkman Playground Jamaica Plain, Massachusetts	City of Boston Parks and Recreation Dept. 294 Washington St., 9th fl. Boston, MA 02108	$ 316,000	1988
059	P	28 American Legion Playground East Boston, Massachusetts	(Same as above)	$ 375,000	1988
059	C	29 Veronica Smith Senior Center and Sculpture Garden	Public Facilities Dept. 26 Court Street Boston, MA 02108	$135,000	1988
		30			

12 The foregoing is a statement of facts.

Signature Cornelia W. Brown Typed Name and Title Cornelia W. Brown, Partner

Date: Oct. 25, 1988

RELATED EXPERIENCE & REFERENCES

RECENT RELATED EXPERIENCE

Charlestown, Navy Yard, Charlestown

Bayside Engineering under contract with the Boston Redevelopment Authority, has recently completed construction documents for the Charlestown Navy Yard Project. The construction program provides for utilities, streets, sidwalks, installation of water maine, sanitary lines, surface drainage lines, street lighting, signs and landscaping. Bayside coordinated work with building development in the area and provided supervision during construction.

Revitalization of Blackstone Block, Boston

Blackstone Block, in the Haymarket district of historic Boston, is one of the oldest existing street networks in the U.S. and has been designated as a landmark area. Bayside recently completed design work relating to street and sidewalk improvements for this area including historic pavement treatment, installation of vehicular barriers and a new street lighting system. The project required full coordination with many public agencies. The final design successfully reflects the history and atmosphere of this unique area as well as being safe and attractive for pedestrians and property owners.

Reconstruction of Spring Lane, Boston

The reconstruction of Spring Lane, a pedestrian walkway, was designed for the Boston Redevelopemtn Authority in 1982, construction was completed in 1983. Located between Washington and Devonshire Streets in downtown Boston, Spring Lane illustrated Bayside's streetscaping abilities in a historic city area. The lane is now a pleaseant pedestrian walkthrough featuring brick paving to match the buildings along both sides and new lighting system with period light posts. The close proximity of the ajoining buildings with basements below the lane surface necessitated careful design consideration.

North Harvard Project, Allston

Bayside Engineering was responsible for street design and site development of a major urban renewal project at North Harvard Street in Allston, MA. Project included civil, site, grading, utility relocation and installation and new lighting system for a parking area for a large urban housing complex located at Western Avenue and North Harvard Street in Allston.

Restoration of the Muster House, Charlestown

Bayside is currently designing the restoration of a historic Muster House at the Charlestown Navy Yard. The building, which is over a century old, is an octagonal three story brick structure with an ornate cupola roof. Our designs include repointing, window replacements, roof repairs, reguilding of ornamental fixtures and repainting. Work on the surrounding grounds include landscaping, replacement of stone pavement and bollards and sidewalks.

Revitalization of Post Office Square, Boston

Bayside is currently providing ornamental lighting designs for the Post Office Square area and Spring Lane in Historic Downtown Boston.

BAYSIDE ASSOCIATES

RECREATIONAL FACILITIES EXPERIENCE

The architectural and engineering team of Bayside Associates is proud of its accomplishments in the field of recreational facilities design.

We have designed projects ranging from local neighborhood parks with playground apparatus and ballfields to a multi-million dollar indoor/outdoor all sport facility for the Metropolitan District Commission. Bayside was recognized for visual quality of design in conjunction with a landscaping project completed along Route 1, Saugus, MA

The following pages represent the credentials of our firm, listings of completed projects in the area of recreational design and descriptions of our accomplishments in greater detail. Bayside has shown itself to be a cooperative firm of experts with an exellent record of on-schedule job completion within budget constraints and to the complete satisfaction of our clients.

- PLAYING FIELDS, FITCHBURG STATE COLLEGE, Fitchburg, MA
(Department of Capital Planning and Operations)

  Design of outdoor playing and athletic fields including overlapping baseball diamond, field hockey and soccer fields, lighting, fencing, and parking areas.

  Construction Cost: $ 180,000

- METROPOLITAN SCHOOLBOY ARENA, Neponset Circle, Boston, MA
(Metropolitan District Commission)

  Design services for construction of an indoor/outdoor all sport facility with areas for basketball, tennis, badminton, volleyball, hockey, boxing, handball, weightlifting. Seating for 4,800 persons. Full quarter mile all-weather track, boat launch facilities, beach and fishing sites, passive recreation areas, and bicycle paths.

  Construction Cost: $ 8,000,000

- DAYCAMP, Stigmatine Fathers, Waltham, MA

  Design services for architectural shell, complete foundation and slab, drainage, site work, grading, plus the design of pool and Roman Bath after original design.

  Construction Cost: $ 90,000

- McDONALD STADIUM AND PARK, Malden Stadium Commission, Malden, MA

  Design services study for the construction, alteration, and renovation of a community recreation area and stadium, including bleachers, fields, fencing, and lighting.

- GIBSON PLAYGROUND, Revere, MA

  Design services, including survey data, final plans, specs, and estimates for urban playground consisting of apparatus, park furniture, passive recreation areas, lighting, fencing, etc.

  Construction Cost: $ 120,000

- DOWNER AVENUE PLAYGROUND, Boston, MA

  Design services, relocation of a baseball field necessitated by highway construction, (Point of Pines Interchange, designed by Bayside.) Includes improvements of bleachers, parking area, fencing, and complete rebuilding of playing field.

  Construction Cost: $ 60,000

- "L" STREET BATHHOUSE (JAMES MICHAEL CURLEY RECREATION CENTER), South Boston, MA

  Architectural and structural designs for the complete rehabilitation of the men's section of this facility. Designs included new roofing and flashings, masonry repairs, window repairs and replacement, door and hardware repairs, replacement of plumbing fixtures, faucets and showers, and rebuilding the shower and locker rooms.

  Construction Cost: $ 300,000

- COLUMBUS PARK STADIUM, South Boston, MA

  Renovation of the stadium building including repairs to roofing and flashing, concrete repairs, replacement of gutters and downspouts and other repair items.

  Construction Cost: $ 30,000

- GIBSON-DOHERTY LOCKER BUILDING, Dorchester, MA

  Complete renovation designs for new metal roof and flashing, repairs to entrance stairs, masonry pointing, new entrance doors, repairs to windows and trim and removal of graffiti.

  Construction Cost: $ 70,000

- HORMEL STADIUM, Medford, MA. A. Paul LaRosa, Engineer of Record.

  Previous to the formation of Bayside Associates, Mr. LaRosa directed and participated in the design of this stadium including a quarter-mile outdoor track, playing fields, fencing, parking, lighting, etc.

  Construction Cost: $ 1,400,000

- MASHPEE GOLF COURSE, Mashpee, MA

  Design of an 18 hole golf course in cranberry bog area Involved complex drainage and wetlands design. Project included man-made lakes, footbridges, all landscaping design.

  Construction Cost: $ 2,000,000

- BOSTON ATHLETIC CLUB, Boston, MA

  During the past several years, Bayside has provided renovation design services for several areas of this large athletic facility. Some of the work has included: structural design of buiing addition, tennis court design, design of a new swimming pool.

  Construction Cost: $ 1,800,000

BAYSIDE ENGINEERING ASSOCIATES, INC.

RETAINING WALL DESIGN

As part of our complete civil and structural design capacities, Bayside has designed many types of retaining walls in conjunction with most of our highway and bridge construction projects as well as some of our recreational designs. Some of these designs include:

- Reconstruction of Route 128 at Route 20, Metal Bin type retaining wall.
- Stone face, cantelevered type retaining wall at Pike Avenue in Walpole.
- Reconstruction of Route 8, Cheshire, MA: Reinforced concrete retaining wall.
- Downer Avenue Playground, Revere: Retaining wall designs in conjunction with the reconstruction of the Point of Pines Interchange.
- East Park, Worcester: Preliminary designs for new park access schemes including roadway and retaining wall designs.
- Reinforced Concrete retaining wall along Route 2 in Lexington.
- Retaining wall design at Coggshall Park Fitchburg, MA: Four foot high, concrete, around a pond.
- Numerous types of exterior walls and fences for the Texaco Corporation.

Brown & Rowe

Introduction

Brown and Rowe practices landscape architecture, planning, urban design and environmental analysis. Our partnership is based on our desire to participate in the creation of new landscapes which are beautiful, and appropriate to their setting.

Our firm has worked on projects of many different scales -- from a national park in Lowell, Massachusetts to a city park in Harvard Square. Because we have professional relationships with a variety of consultants including architects, engineers, archaeologists, graphic designers and economists, we can assemble teams skilled in a wide variety of multi-disciplinary projects.

Brown and Rowe, established in 1981, is certified by the Commonwealth of Massachusetts as a Woman-Owned Business Enterprise.

Brown and Rowe has expertise in the following areas:

* Public parks,
* Waterfront planning and design,
* Corporate and commercial projects,
* Planning and environmental analysis,
* Institutional projects,
* Community participation,
* Housing, and
* Streetscape improvements.

Design Services

Brown and Rowe has extensive experience in landscape architectural planning and design. We work closely with our clients from the initial planning stages of a project through the completion of construction. Our services include:

* site research, analysis and evaluation;
* space programming, budgeting and design including heritage walks, parks, plazas, and outdoor performance areas;
* verbal and graphic presentations to clients, community groups, and/or government agencies;
* assistance in obtaining necessary environmental permits;
* site engineering problem solving such as grading and drainage, irrigation, utilities and lighting;
* cost estimating;
* construction document preparation, bid evaluation, construction supervision and maintenance instructions.

Public Parks

Brown and Rowe
Landscape Architects
and Planners

58 Winter Street
Boston
Massachusetts 02108
USA

617/542-8552

PUBLIC PARKS

Boarding House Park, Lowell, Massachusetts

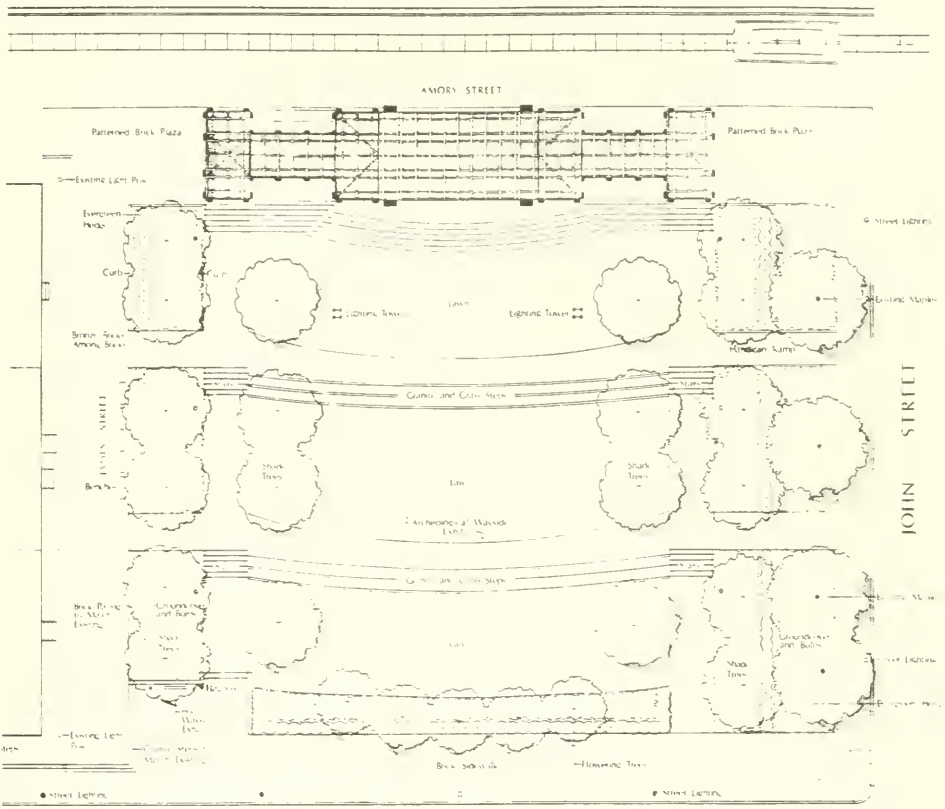
Brown and Rowe has completed the design of Boarding House Park, part of the National Park in Lowell, Massachusetts. The park is being built to commemorate the people who worked in the mills in the nineteenth century. Visitors to the park will have an outstanding view of the Boott Mills, its stately clock tower, the Eastern Canal and one of the original boarding houses. The park will serve as an outdoor performing arts center, a site for ethnic festivals, a green space in the heart of the city and part a of the 5.5 mile city wide canalway system.

The design consists of a forecourt for the Mogan Cultural Center, terraced lawns and seating steps, and a performance pavilion which will serve as a theatre, picnic structure, and trolley stop. As part of our design team, William Rawn Associates, Architects of Boston has designed the pavilion. It evokes the ironwork so characteristic of Lowell. Over 100 feet long, the structure's roof is composed of metal grillwork and covered with wisteria vines.

Brass bricks in the paving outside the Mogan Cultural Center will bear the names of some of the people who worked in the mills. Findings of the archaeological dig at the site will be incorporated into grass panels and planting beds on the site. Findings include remnants of the boarding house walls and granite footings for the sheds which once stood on the property.

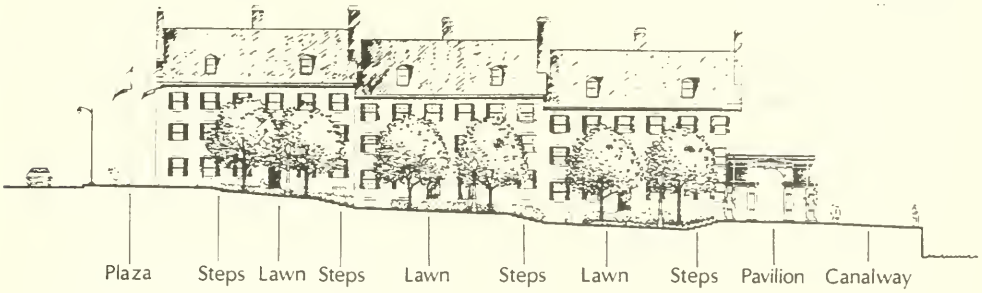
Construction Budget: $1,000,000

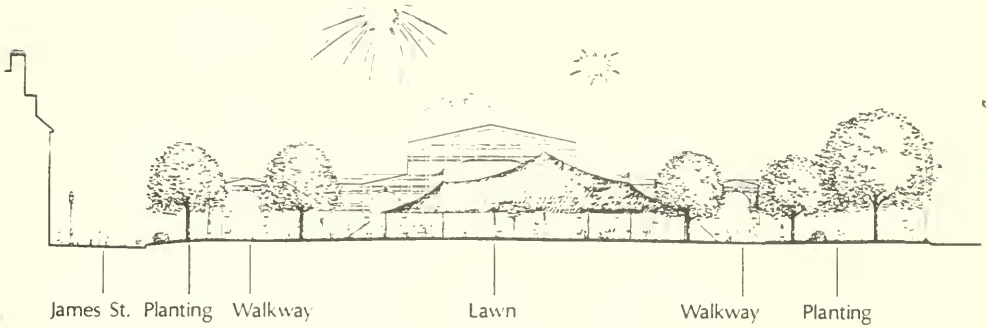
BOARDING HOUSE PARK, LOWELL, MASS.

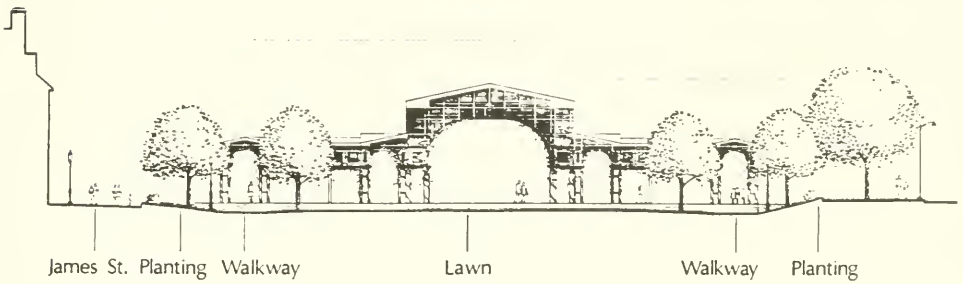


Project:	Boarding House Park
Client:	National Park Service and The Lowell Historic Preservation Commission
Associated Architect:	William Rawn Associates, Architects
Construction Cost:	$1,000,000

BOARDING HOUSE PARK, LOWELL, MASS.







Project:	Boarding House Park
Client:	National Park Service and The Lowell Historic Preservation Commission
Location:	Lowell, Massachusetts
Construction Cost:	$1,000,000

Brown and Rowe
Landscape Architects
and Planners

58 Winter Street
Boston
Massachusetts 02108
USA

617/542-8552

PUBLIC PARKS

Eastern Canal Park, Lowell, Massachusetts

Eastern Canal Park and the Kerouac Commemorative have a spectacular setting in downtown Lowell with views to four nineteenth century mill towers and a canal. The site is an appropriate setting for a commemorative to Jack Kerouac. Many of the sights Kerouac described in The Town and The City are visible here.

From the beginning, Brown and Rowe developed the design for Eastern Canal Park in the context of a master plan for the redevelopment of Massachusetts Mills Complex. We also considered its relationship to the other parks in Lowell currently under planning and development and to the proposed 5.5 mile long canalway system.

The final park design provides for multiple uses in the park. The park features include a plaza surrounded by lush planting where the commemorative is located, a large green lawn surrounded by shaded walkways with views of the mill towers, a trolley corridor and canal walk lined with flowering trees.

The client group on this project includes the City of Lowell and the Massachusetts Department of Environmental Management which is funding the park construction. The federally funded Lowell Historic Preservation Commission is providing the money for the commemorative to Jack Kerouac. The park construction is scheduled to be completed in the spring of 1988.

Construction Budget: $1,100,000

The Brown and Rowe project team included Clarissa Rowe, principal-in-charge, Nina Brown, principal and Kate Troust, Joan Furlong, Irene Carlson, and Hera Ramli as project landscape Architects.

Brown and Rowe
Landscape Architects
and Planners

58 Winter Street
Boston
Massachusetts 02108
USA

617/542-8552

PUBLIC PARKS

Winthrop Park Restoration, Cambridge, Massachusetts

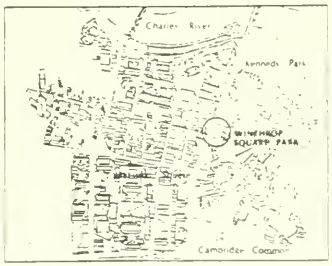
Winthrop Park, located in Harvard Square, was completed last spring and the landscape contractor is now maintaining the park for one year as part of the construction contract. Brown and Rowe prepared the design, construction documents, and maintenance plan. We supervised the construction and attended many public meetings to present the design to the community.

Located on the site of the Newtowne Marketplace, established in Cambridge in 1631, Winthrop Park has been in continuous public use for three and one half centuries. Recognizing the significance of this site and its potential as a green space in the heart of Cambridge, the Cambridge Community Development Office and the Cambridge Historic Commission hired Brown and Rowe in the Spring of 1985 to prepare a schematic design and illustrative presentation for an historic restoration of Winthrop Square.

In 1986, an unusual collaboration of public and private groups has formed to raise funds for the rehabilitation of this site. Led by the Program on Public Space Partnerships, a strategy was developed for the design, funding and maintenance of the park. A separate non-profit group, the Winthrop Park Trust, Inc., was formed to hold the private contribution for the site. The final project was a joint venture between the Winthrop Park Trust, Inc., and the City of Cambridge. The project was completed in the spring of 1987.

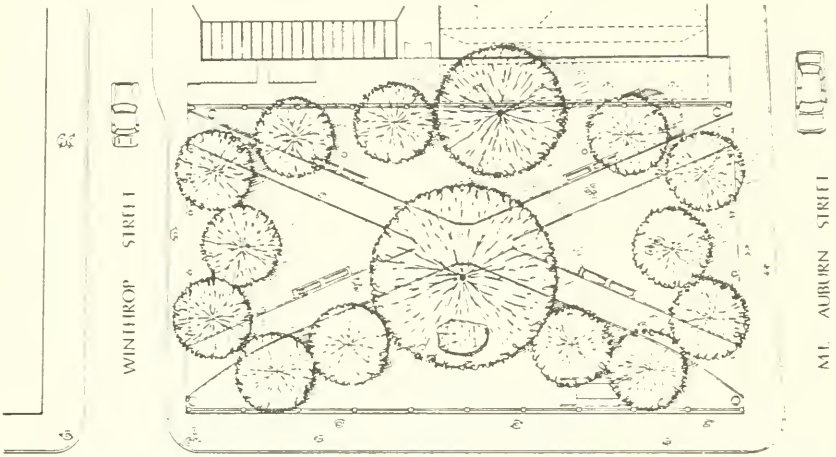
Construction Budget: $300,000

Brown and Rowe recently received an Honors Award for Winthrop Park from the Boston Society of Landscape Architects.

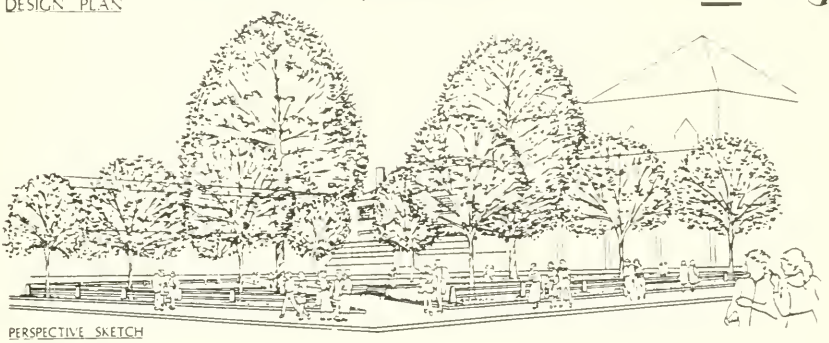


CONTEXT MAP

WINTHROP SQUARE 1897



DESIGN PLAN



PERSPECTIVE SKETCH

WINTHROP PARK

CAMBRIDGE, MASSACHUSETTS

SITE IMPROVEMENTS PROPOSED FOR COOPERATIVE FUNDING AND MAINTENANCE BY THE WINTHROP PARK TRUST AND CITY OF CAMBRIDGE

PROJECT COORDINATION
THE PROGRAM ON PUBLIC SPACE PARTNERSHIP
HARVARD UNIVERSITY JOHN F. KENNEDY SCHOOL OF GOVERNMENT
79 JFK STREET CAMBRIDGE, MASSACHUSETTS 02138 617 495-1321

DESIGN CONSULTANTS
BROWN AND ROWE LANDSCAPE ARCHITECTS
58 WINTER STREET
BOSTON, MASSACHUSETTS 02108

Brown and Rowe
Landscape Architects
and Planners

58 Winter Street
Boston
Massachusetts 02108
USA

617/542-8552

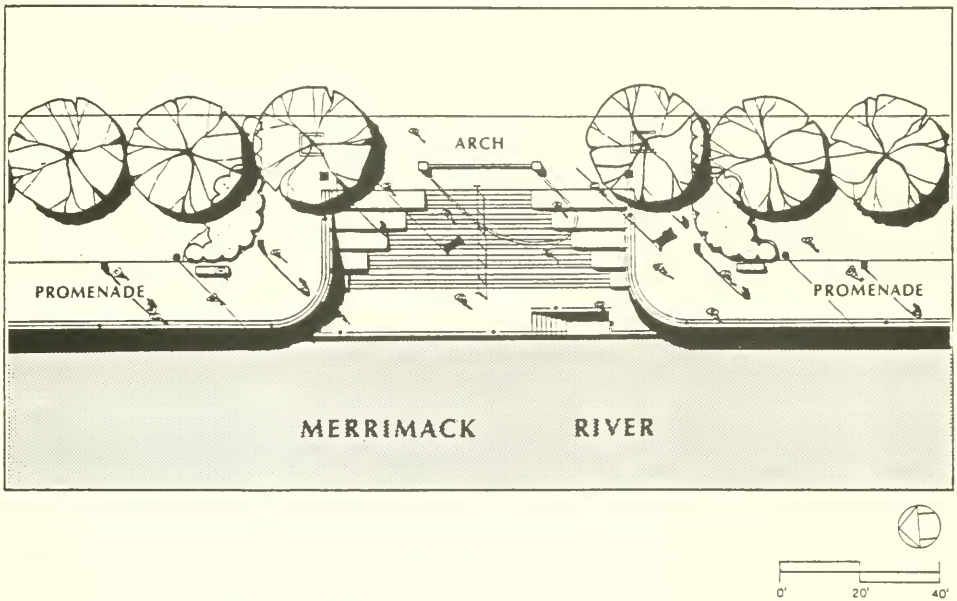
PUBLIC PARKS

Manchester Riverfront Park System, Arms Park Promenade, Manchester, New Hampshire

Contract drawings and specifications for Arms Park riverfront promenade, riverfront steps and utilities for annual river festival, Riverfest. Project designers. For the City of Manchester Parks and Recreation Department. Construction completed Spring 1984.

Construction Budget : $215,000

ARMS PARK, MANCHESTER, N.H.



Steps at Arms Park Promenade
Manchester, New Hampshire

Project:	Arms Park Promenade
Client:	Parks and Recreation Department, Manchester, New Hampshire
Location:	Manchester, New Hampshire
Construction Cost:	$215,000
Completion Date:	1984

Brown and Rowe
Landscape Architects
and Planners

58 Winter Street
Boston
Massachusetts 02108
USA

617/542-8552

PUBLIC PARKS

Stark Street Crossing, Manchester, New Hampshire

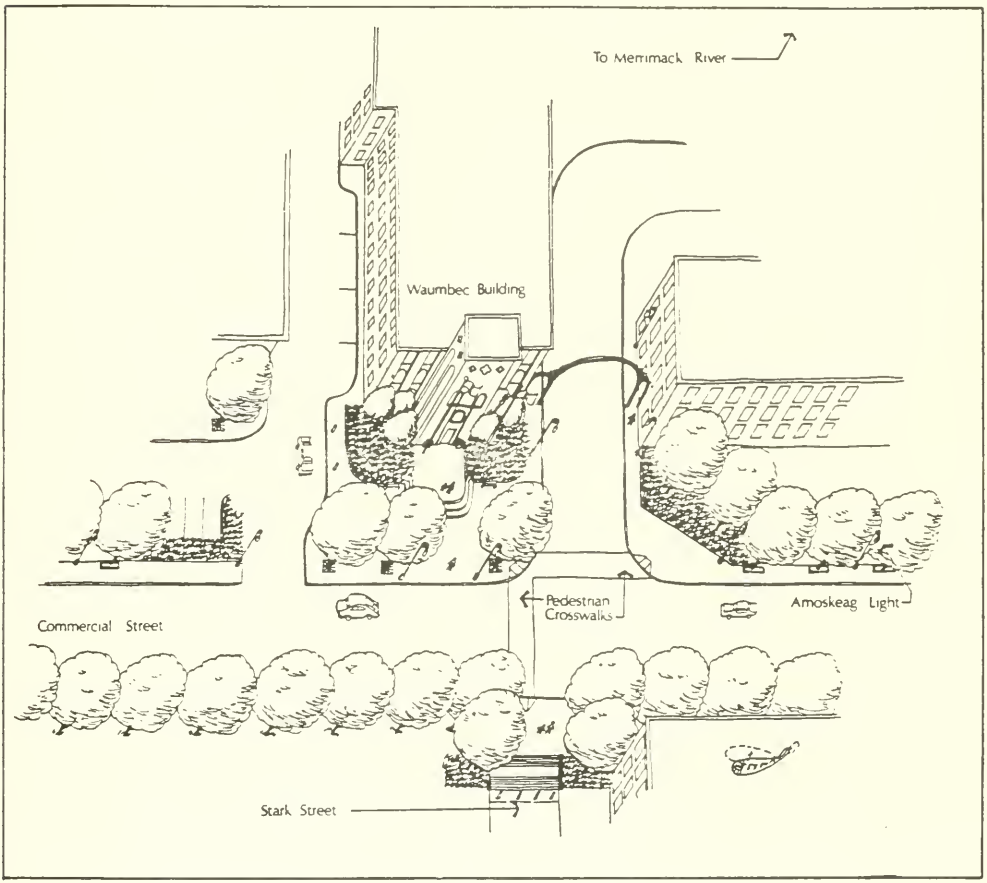
In 1986, Brown and Rowe prepared the design, construction documents and supervised the construction for Stark Street Crossing, another space within the Manchester Riverfront Park System. The grand steps and landing re-open an historic pedestrian walkway between the downtown business district and the Millyard and the Merrimack River. Stark Street Crossing is the first stop on the Amoskeag Heritage Walk which is being implemented by the City of Manchester Parks and Recreation Department.

It is located on the site of what was once the Lower Canal and at the former Stark Street entry to the Amoskeag Millyard.

The landing itself provides a rest area and will contain photographic and narrative information commemorating the cultural history of the Amoskeag Millyard workers in Manchester and sculpture.

Construction budget: $300,000

STARK STREET CROSSING, MANCHESTER, N.H.



Project:	Riverfront Parks Project IV, Stark Street Crossing
Client:	Parks and Recreation Department, Manchester, New Hampshire
Location:	Manchester, New Hampshire
Construction Cost:	$300,000
Completion Date:	Spring, 1987
Reference:	Sam Maranto, Program Analyst, C.I.P. Office, Manchester, New Hampshire

Brown and Rowe
Landscape Architects
and Planners

58 Winter Street
Boston
Massachusetts 02108
USA

617/542-8552

PUBLIC PARKS

Gateway and Printworks Parks, Manchester, New Hampshire

In 1982-1983, Brown and Rowe prepared the design, construction documents and supervised the construction for two parks within the Manchester Riverfront Park System. Gateway Park, approximately one acre in size, abuts an historic mill housing complex and the Amoskeag millyard. Printworks Park is across the street from Gateway Park and has frontage on the Merrimack River. Both parks were designed with sensitivity to their neighborhood and their region. Together they provide a welcoming "gateway" to the historic millyard area, the downtown business district and the Riverfront Park System.

Gateway Park includes a brick plaza, historic lighting, seating, steel picket fencing, open lawn areas, extensive planting, timber play equipment and an irrigation system. Printworks Park consists of a large brick plaza, seating and steps to the river's edge. Both parks contain signs bearing the park's logo, designed during the master plan phase of the park system's design.

Construction Budget: $310,000

Brown and Rowe
Landscape Architects
and Planners

58 Winter Street
Boston
Massachusetts 02108
USA

617/542-8552

PUBLIC PARKS

Perry Park and Stone Place Playground, Somerville, Massachusetts

Brown and Rowe recently completed the design plans, contract drawings, and specifications for these two park renovation projects in Somerville. The design features for these parks are a new basketball court, new tennis court, new play area for children including a separate protected area for toddlers, as well as an efficient pathway system, fencing and decorative plantings.

Brown and Rowe designed an area that features a large map painted into the pavement, game line painting for hopscotch, paddle tennis, and four square.

Construction is scheduled to begin in the fall of 1988. For City of Somerville, Community Development Office, Somerville, Massachusetts.

Construction Budget: $322,000

American Legion Park, East Boston, Massachusetts

Brown and Rowe recently completed a site analysis, contract drawings, and specifications for the renovation of this urban park. Park features included a major ballfield, installation of a new path system, additional planting for screening, and new seating. Construction is scheduled to begin at the end of September, 1988. For Boston Parks and Recreation Department.

Construction Budget: $300,000

Brown and Rowe
Landscape Architects
and Planners

58 Winter Street
Boston
Massachusetts 02108
USA

617/542-8552

PUBLIC PARKS

Francis Parkman Playground, Jamaica Plain

Design and construction documents for the renovation of a 75 year old playground in a residential neighborhood in the City of Boston. Site improvements include new play equipment, renovation of sports facilities (basketball court, volleyball court, two softball fields) and new fencing. For the Department of Parks and Recreation, Boston, Massachusetts. Construction will be completed in the summer of 1988.

South Street Mall, Jamaica Plain

Design and construction documents for the renovation of two tennis courts, and a pedestrian mall in the Jamaica Plain neighborhood in the City of Boston. For the Department of Parks and Recreation, City of Boston. Construction will be completed in the summer of 1988.

Veronica Smith Senior Center and Sculpture Garden, Brighton

Design and Construction documents for the public park. Park elements include a play area for young children, installation of vandal-proof, low maintenance site furniture and a pavement pattern to inspire imaginative play. Old-fashion plantings, such as lilacs, daylilies, and spirea, were selected for the sculpture garden because of the senior citizens' familiarity with these plants. Construction was completed in the summer of 1988 for MGIA Architects, Boston, Massachusetts.

RECENT RELATED PROJECTS & REFERENCES

The following are several descriptions of recent projects with design considerations similar to yours. All of the projects are progressing or were completed under the direct supervision of A. Paul LaRosa, P.E., the Principal-in-Charge.

1) PROJECT NAME & LOCATION

Reconstruction of Bay Ridge and Baker's Pond Roads, Orleans, MA

PROJECT DESCRIPTION AND COST

Bayside is currently under contract with the Town of Orleans to design the realignment and reconstruction of these two roads and their intersection with Route 6A. The work includes full depth pavement reconstruction; minor widening, drainage modifications, new curbing and the installation of traffic signal conduit to accommodate future signalization.

Estimated Construction Cost: $500,000.00

REFERENCE

Orleans Traffic Study Committee
Town Hall
Orleans, MA

ATT: Mr. Sherman Reid, Chairman
Tel. (617) 2155-0900

2) PROJECT NAME & LOCATION

Brockton-Whitman, MA - Full depth reconstruction of Auburn Street (Route 14)

PROJECT DESCRIPTION & COST

This project, about 16,714 feet in length, consisted of full depth pavement reconstruction with new sidewalks, both sides of the street, adjustments to existing drainage system, traffic signals, signs, pavement marking, etc. Cost $2,250,000.00

REFERENCE

City of Brockton
Department of Public Works
City Hall
Brockton, MA 02401

ATT: Maynard D. Spekin, P.E.
Director of Public Works
Tel: 580-1100

Town of Whitman
P.O. Box 454
Whitman, MA

Att: Norbett J. Fredette, P.E.
Town Engineer
Tel. 447-5547

3) PROJECT NAME & LOCATION

Revitalization of the "Blackstone Block", in the Haymarket district of historic Boston; one of the oldest existing street networks in the U.S.

PROJECT DESCRIPTION & COST

Work consisted of street and sidewalk improvement including historic pavement treatment, installation of pavement barriers, provisions for handicapped, and a new street lighting system. The completed project successfully reflects the history and atmosphere of this unique area as well as being safe and attractive for pedestrians and property owners.

Construction Cost $220,000.00.

REFERENCE

Boston Redevelopment Authority
One City Hall Plaza
Boston, MA 02201

Att: Wallace B. Orpin, P.E.
Director of Engineering
Tel. 722-4300

4) PROJECT NAME & LOCATION

Design Support Services
Highway Engineering Division
Massachusetts Department of Public Works
10 Park Plaza, Boston, MA

PROJECT DESCRIPTION AND COST

Bayside Engineering served as an extension of the Massachusetts D.P.W. Design Division in assisting the Department in the design of streets and traffic control systems at over 40 high hazard locations through the Commonwealth. The fees received for these services has been approximately $1,400,000.00.

REFERENCE

Massachusetts Department of Public Works
10 Park Plaza
Boston, MA 02116-3973
Att: Paul W. McHugh, P.E. Tel.973-7511

5) PROJECT NAME & LOCATION

Reconstruction & Relocation of Meadow Lane Road/Bridge, Brockton, MA

PROJECT DESCRIPTION AND COST

This project, about 1500 feet in length, consisted of the relocation and reconstruction of sections of a heavy traveled urban street with a new highway bridge over the Salisbury Plain River. Utilities included new water line, relocation of a high pressrue gas transmission line and new storm drainage systems.

Estimate & Cost of Construction

Street Construction	$460,000.00
New Bridge	350,000.00
TOTAL	$810,000.00

REFERENCE

City of Brockton
Department of Public Works
City Hall
Brockton, MA 02401

Att: Maynard D. Spekin, P.E.
Director of Public Works
Tel. 580-1100

RESUMES OF KEY PERSONNEL

A. PAUL LAROSA, P.E.

PRINCIPAL ENGINEER

1968-Present BAYSIDE ENGINEERING ASSOCIATES, INC.
Total job coordination; preparation of environmental, civil and safety data at public meetings and before various concerned agencies; building design; planning; specifications; Design-of-Record of over 200 million dollars of architectural, civil and environmental engineering projects.

1951-1968 Employed as Civil Engineer, Project Engineer and Chief Engineer by Boston-based consulting engineering firms.

PROFESSIONAL REGISTRATIONS P.E., Civil, Massachusetts, 1960

PROFESSIONAL AFFILIATIONS
-Construction Specifications Institute (CSI)
-National Society of Professional Engineers
-Boston Society of Civil Engineers
-American Society of Civil Engineers
-Former State President: Mass. Society of Professional Engineers
-Former State Secretary: Consulting Engineers Council.

EDUCATION A.E., Civil, Northeastern University, Boston
B.S., Industrial Technology, Northeastern University

Engineer of Record for the following:

- I-495, 29 miles of safety reconstruction; Tewksbury to Salisbury
- I-95, Peabody to Newbury, MA: Roadside beautification
- I-195, 14 miles of roadway reconstruction, Westport to Fallriver, MA
- I-290, 5 miles of highway Northboro to Marlboro, MA
- Point of Pines Interchange, Revere, MA
- Route 62, Concord, MA
- Lynn Fells Parkway Interchange, Saugus, MA
- 46 high hazard intersections throughout Mass.: designs for safety upgrading
- Traffic safety improvements, Littleton, Lancaster, Andover, MA
- Route 128, 6 miles, Waltham, Weston, Lexington, MA
- 2 miles Horseneck Beach Highway
- Route 2: 3 miles, Lexington, Arlington, Belmont, MA
- Routes 2 & 4, West Virginia: 11 miles of highway design (4 bridges)
- Route 33, Elkins, W. VA. - 5 miles

FRANCIS X. McGRATH, P.E.

CIVIL/SANITARY ENGINEER

1968-PRESENT — BAYSIDE ENGINEERING ASSOCIATES, INC.
Senior Engineer, Project Engineer on numerous bridge reconstruction projects; Coordination of Structural Analysis Projects, Water Supply Systems Projects, Sewage Processing Facilities, Supervision of Field Teams.

1964-1968 — Employed as Structural Engineer by Boston consulting firms.

PROFESSIONAL REGISTRATION: — P.E., Civil, Massachusetts, 1972

EDUCATION: — B.S., Civil, Northeastern University, Boston, MA
M.S., Structures, Northeastern University

PROJECTS INCLUDE:

- Project Manager for several water supply system projects including:
  - o Water main and pressure sewer reconstruction Main Street, Wareham, MA
  - o 3 miles of water main reconstruction along Route 2, Lexington, MA for the M.D.C. Included pipe sized from 1 inch to 60 inch.

Other projects have included:

- Wells, piping and water distribution system for the Seabrook Yankee Greyhound Complex, Seabrook, N.H.
- Twelve inch water main reconstruction along Route 1 at Lynn Fells Parkway, Saugus, MA
- Complete design of a water supply system for Rockingham Race Park, Salem, N.H.- 47 buildings and a 10,000 seat clubhouse
- 2 miles of 12 inch water pipe replacement, Groveland, MA
- Water main reconstruction, New Bedford, MA. Included 6,8,10,12 and 42 inch water mains.
- Water main relocation at the following locations:
  - o Osborne St. and Railroad Ave., Methuen, MA
  - o Route 113, Pepperell, MA
  - o Route 62, Assabet River, Concord, MA
  - o Livingston St. Tewksbury, MA (Special Public Works Funds)

JOSEPH A. HANDZIAK
CIVIL DESIGN ENGINEER

1968-Present BAYSIDE ENGINEERING ASSOCIATES, INC.
Chief Highway Engineer, Drainage, Civil Projects, Site Work, and Parking Lot Design. Estimator, Surveyor, and Data Preparation for presentation at Public Meetings and Permit Application.

1963-1968 Employed by a Boston based consulting engineering firm where he was involved in civil engineering computer applications, highway right-of-way, (registered) land takings, plans. He was responsible for the design of alterations to public utilities, storm drainage, sanitary sewer and water systems.

1960-1963 Employed by a survey company based in Newington, CT. He was responsible for the preparation of survey base plans. Other duties included survey traverses, street lines, property boundaries, topography, cross sections, and map making.

1954-1960 Employed by Boston based engineering firm and the Massachusetts Land Court. Duties included highway cross sections, estimates of earthworks, architectural drafting, airport plans, registered land parcel plans and traverses.

EDUCATION B.S., Civil Engineering, Northeastern University

RELEVANT EXPERIENCE

- Design and Reconstruction of Roadway approaches to:
  - o New Harbor Road Bridge over B&M RR, Clinton, MA
  - o Southampton St. Bridge over M.B.T.A. and Conrail, Boston, MA
  - o Route 113 bridge over Nashua River, Pepperell
  - o Bridge Street over Mitchell River, Gloucester, MA
- Belmont & Plantation Streets, Worcester, MA: Roadway reconstruction design
- Reconstruction of Route 58 (6.5 miles), Plympton, Halifax, MA
- Intersection improvements: Hudson, Seekonk, MA
- concord, Route 2
- Route 67: Barre-North Brookfield, MA
- Reconstruction of Old Colony Way, R.R. & Canal Road, Wareham, MA
- Rte.495: design for 30 miles of safety reconstruction, including improvements to 36 high hazard intersections throughout the state.
- Amherst-Hadley By-pass.
- Historic reconstruction of Spring Lane pedestrian walkway, Boston. Included brick paving and period light posts.

RELEVANT
EXPERIENCE: (Continued)

- Belmont & Plantation Streets, Worcester, MA Roadway reconstruction design
- Route 67: Barre-North Brookfield, MA
- Reconstruction of Old Colony Way, R.R. & Canal Road, Wareham, MA
- Historic reconstruction of Sprine Lane pedestrian walkway, Boston. Included brick paving and period light posts.

DOMENIC QUARAGLIA, P.E., CIVIL ENGINEER

BAYSIDE ENGINEERING ASSOCIATES, INC.
Boston, MA 02127
- Rehabilitation of a Warren truss bridge in Buckland-Shelburne, MA
- Designs for a through girder bridge and walkway addition, Townsend, MA
- Open End Bridge Rating Program throughout Massachusetts
- Deck Replacement Studies:
  - o Tewksbury, MA
  - o Hanover-Pembroke, MA
  - o Groton-Pepperell, MA

RICHARD J. DONOVAN, INC.
Winchester, MA
Reported to the president. Responsible for engineering, design and coordination of structures on a microwave communications network, Philadelphia to Atlantic City. Major components: penthouses and towers on downtown buildings, and repeater sites in rural areas. Also: design of a prestressed concrete bridge (HS20, AASHTO); design of foundations for HVDC power trnasmission line; parking lot drainage system design; and study/report concerning a football field stadium structure.

STONE & WEBSTER ENGINEERING CORPORATION
Boston, MA
Structural Design Engineer - Assigned to several electric-generating projects. Responsible for conceptual design, stability and stress analysis, design and checking of various steel and reinforced concrete structures and their components including: Concrete walls and slabs, steel frames, conveyor galleries, crane girders, operating floor girders, trusses, columns, platforms, pipe racks, duct supporting systems; investigating and modifications of existing steel structures, concrete foundations, beams, slabs and columns. Checked drawings. Made structural steel details and checked shop drawings for renovation of existingel electric power facilities. Experience includes knowledge of "STRUDL" computer design program.

Senior Office Engineer - Construction Department - Reported directly to the Resident Engineer. Solely responsible for the Structural effort within the Resident Engineering Office. Responsibilities included: Supervising the Structural Steel Detailing Group in the design of CAT II & III steel platforms; acting as a liaison between project engineering and construciton; checking and approving structural steel vendor drawings; coordinating between steel fabricator and steel erector; solving interference problems in the scheduled work; handling documentation associated with engineering and design coordination and providing technical requirements for purchase of material. In addition acted as Assistant Contract Administrator with responsibility for two contracts valued at $8.5 Million and $3.0 Million, as well as setting up new contracts, evaluating bid proposals and recommending contract awards to client.

REGISTRATIONS:
Professional Engineer - Commonwealth of Massachusetts, February 1985
Professional Engineer - Connecticut, March 1987
Professional Engineer - New Hampshire, March 1987

DOMENICK D. DiLEO, P.E.
STRUCTURAL ENGINEER

1983-PRESENT — BAYSIDE ENGINEERING ASSOCIATES, INC.
Mr. DiLeo brings over 30 years experience to his role as Structural Designer on numerous Architectural Projects and Design-Build Projects.

1950-1983 — Employed as Structural Engineer and Project Manager by Boston based architectural engineering firms. Mr. DiLeo specialized in the design of high rise office buildings and chemical manufacturing facilities.

PROFESSIONAL REGISTRATION — P.E., Structural, Massachusetts, 1960
Certificate in Fallout Shelter Analysis

PROFESSIONAL AFFILIATIONS
-Massachusetts Military Engineers
-Society of American Military Engineers

EDUCATION — A.S., Structural & Civil, Northeastern University, Boston, MA

RELEVANT EXPERIENCE — BAYSIDE ENGINEERING ASSOCIATES, INC.

- Salem State College: Structural repairs to five campus facilities
- University of Massachusetts, Boston: Structural designs for the installation of five 14 level elevators.
- Rockingham Park Race Track Complex, Salem, N.H. (new grandstand, reconstructed clubhouse and various auxiliary buildings).
- Milford Public Works Garage and Office, Milford, MA
- Au Bon Pain Bakery and Office Building, South Boston, MA

PRIOR TO JOINING BAYSIDE ENGINEERING ASSOCIATES, INC.

- Structural designs for the Hynes Auditorium, Boston, MA
- Auditoriums within insurance company headquarters
- Chemical Manufacturing Facilities for the following:
  - o Philip A. Hunt Corporation
  - o Polaroid Corporation
  - o Borden Chemical Corporation
  - o Ciba-Geigy Pharmaceutical Corporation
  - o Revlon Corporation (U.S. Pharmaceutical)
- High rise office buildings, Schools, Churches,
- NET&T Exchange Facilities

MAJID MOBASSERI

STRUCTURAL ENGINEER

1986-Present	BAYSIDE ENGINEERING ASSOCIATES, INC. Employed as a Structural Engineer Specialist
1982-1986	University of Texas at Austin; Department of Civil Engineering, Teaching Assistant; Graduate and Undergraduate class; concrete and steel design, earthquake engineering, long span structures, structural analysis, FORTRAN programming.
1980-1981	Washington State University; Dept. of Civil Engineering Graduate and undergratuate classes; Teaching Assistant; Concrete Design, Solid Mechanics, Structural Analysis
1977-1979	ASUTI Engineering Consulting Company Civil Engineer - Complete design of bridges and retaining walls - Developing computer program for geometric design of highways. - Performing field inspection of the route for final design. - Computation of super elevation and cut and fill of highways.
1976-1977	IRUK Construction Company Production Supervisor
PROFESSIONAL AFFILIATIONS:	(ACI) American Concrete Institute (ASCH) American Society of Civil Engineers (EERI) Earthquake Engineering Research Institute.
EDUCATION:	Ph.D. The University of Texas at Austin, Austin, Texas Structural Engineering August 1986 M.S. Washington State University, Pullman, Wash. Civil Engineering August 1981 B.S. Sharif University of Technology, Tehran Civil Engineering December 1978
RELEVANT EXPERIENCE:	BAYSIDE ENGINEERING ASSOCIATES, INC. - Ayer, Bridge Renovation Design - Brockton, Bridge Renovation Design - Falmouth, Bridge Renovation Design - Swampscott, Bridge Renovation Design - Acton, Bridge Renovation Design - Tewksbury, Bridge Renovation Design

STANLEY C. ANDRUKONIS, P.E.

SENIOR STRUCTURAL ENGINEER

Mr. Andrukonis is a Senior Structural Engineer for Bayside Engineering Associates. Prior to joining Bayside, Mr. Andrukonis worked for various consultants in the Boston area and has over 30 years of structural design and supervision experience.

His experience includes 3 years of resident civil engineer for civil and structural construction, 6 years as Chief Structural Engineer for consulting work, design and analysis of simple span and continuous span structures, waterfront pier structures, retaining walls, preparation of cost estimates and specifications, and liaison and coordination with clients and contractors. Some of the relevant projects he has worked on are:

Project Engineer for the rehabilitation of various port facilities for the Massachusetts Port Arthority in Boston, MA. The work included preparation of plans and specifications for the following:

- Replacement of timber piles, repair of steel retaining walls, reframing of timber wharf, and a new pier fender system at the Castle Island Terminal, Boston.

- Releveling and reinforcement of rigid steel frames at Commonwealth Pier 4 to reduce stress caused by differential settlement.

- Installation of dry standpipe for fire protection at a grain elevator

- Design and construction supervision of cathodic protection systems for four piers.

- Design of dust collection systems at two grain elevators.

Civil service position with the U.S. Navy in Boston, MA. The work consisted of the review of consultant's drawings for new projects, inspection of naval facilities, preparation of reports with repair and maintenance recommendations and review of spending priorities for repairs to facilities in the New England Area.

SIMON HUNG P.E.

CIVIL ENGINEER

1987-Present	BAYSIDE ENGINEERING ASSOCIATES, INC. Civil and Structural Engineer
1986-1987	Paul Trapani Associates, Inc., Dorchester, MA Teledyne Engineering Services, Waltham, MA Consultant
1984-1986	Site Engineer-Seabrook Nuclear Power Station United Engineers, Seabrook, NH
1984-1984	Site Engineer at Pittsburgh, PA Stone and Webster Engineering Corp., Boston, MA
1974-1983	Teledyne Engineering Services, Waltham, MA Consultant
1978-1979	Bergen-Paterson Pipesupport Corp., Cambridge, MA Analyst of a team of Engineers
1977-1978	Central Transportation Planning Staff of Metropolitan Area Planning Council, Boston, MA Planner
PROFESSIONAL REGISTRATION	P.E., Massachusetts, 1988
PROFESSIONAL SOCIETY:	Engineer in Training - Massachusetts
EDUCATION:	MS in Engineering Management, December 1977, Northeastern University, MA
	BS in Civil Engineering, May 1976, University of Lowell, MA
RELEVANT EXPERIENCE:	Bridge Ratings, Inspections, for Massachusetts Department of Public Works
	- Blackstone - Chester - Hubbardston - Sandisfield

EDWARD M. SABBAGH, P.E.

CIVIL/STRUCTURAL ENGINEER

1983-Present BAYSIDE ENGINEERING ASSOCIATES, INC.
Structural design on building projects and renovations on existing buildings.

1981-1983 LeMESSURIER ASSOCIATES/SCI
Structural design of low and high rise building projects. Projects included Lafayette Place Complex in Boston, 725 Concord Ave. in Cambridge, Dade County Library in Miami.

1978-1981 GENERAL DYNAMICS/ELECTRIC BOAT DIVISION, Groton, CT
Structural analysis of nuclear submarine components and facilities. Worked on Trident Submarine structures and commissioned vessel re-fueling structures.

PROFESSIONAL REGISTRATION Professional Engineer, MA, NH, NY, RI, MD.

PROFESSIONAL AFFILIATIONS
- American Society of Civil Engineers
- Boston Society of Civil Engineers

EDUCATION M.S., Civil Engineering, 1979
Worcester Polytechnic Institute
Worcester, Ma

B.S., Civil Engineering, 1976
University of Massachusetts
Amherst, MA

RELEVANT EXPERIENCE BAYSIDE ENGINEERING ASSOCIATES, INC.

- Rockingham Park Complex
- Au Bon Pain Bakery and Freezer Warehouse
- 421 Summer St. Office Building, Boston, MA
- Milford Highway Garage and Office Building
- Madaket Place Office and Condominiums
- Don Bosco Technical High School: Strucutural Analysis and Repairs
- Otis air National Guard Base:
  Engine Shop Renovations and New Alternate Fuel Facility
- Fernald State School, Templeton, MA
- Boston Viaduct to Commownealth Pier, Boston, MA
- Roof Designs @ following Cities and Towns:

  Methuen
  Everett
  Newburyport
  Lincoln
  Somerville

Brown & Rowe

Brown and Rowe
Landscape Architects
and Planners

58 Winter Street
Boston
Massachusetts 02108
USA

617/542-8552

CORNELIA (NINA) W. BROWN
Landscape Architect, Planner

EDUCATION

University of Pennsylvania, Master of Landscape Architecture, 1975.

Radcliffe College, Bachelor of Arts in English (Magna Cum Laude), 1971.

PROFESSIONAL EXPERIENCE

Brown and Rowe, Partner, principal-in-charge for Boarding House Park, Lowell, Massachusetts; Canalway Demonstration Project, Lowell, Massachusetts; E.O.C.D. Housing, Peabody, Massachusetts; Stark Street Plaza, Manchester Riverfront Park System in Manchester, New Hampshire; project designer for a master plan and urban design recommendations for Manchester Riverfront Park System in Manchester, New Hampshire; project manager for lighting in Gateway Park, William Loeb Park and Arms Park.

Project manager and designer for courtyard, Fidelity Guarantee Mortgage Corporation; project manager for site improvements for Nantasket Bathhouse, Nantasket Beach, Hull, Massachusetts; project manager for Marian Gardens, a housing renovation project in Lynn, Massachusetts; project manager for Olcott Commerce Park Hartford, Vermont.

Sasaki Associates, Inc., Associate, project manager for a master plan and urban design guidelines for Charleston Waterfront Park in Charleston, South Carolina and for a master plan approximately 2,000 acres of land in Lebanon, New Hampshire. Project planner for a master plan for approximately one mile of Boston's downtown waterfront, 1979-1981.

Strafford Regional Planning Commission, Acting Director, planner in charge of assisting member towns with master planning, zoning, natural resource management; writing, editing reports and press releases; designing report and brochure layouts; designing parks; setting up workshops, 1976-1979.

The Perron Partnership, P.C., staff landscape architect for master planning, site development and control documents for a variety of planning and landscape projects in Idaho, Oregon and Washington, 1974-1976.

Brown and Rowe
Landscape Architects
and Planners

58 Winter Street
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CORNELIA W. BROWN

PREVIOUS EXPERIENCE

Boston Environment, Inc., writer, editor for newsletter, 1972.

MEMBERSHIPS AND AFFILIATIONS

Society for the Protection of New Hampshire Forests

PUBLICATIONS

Recreation in Dover, New Hampshire, A Guide for Future Development, Strafford Regional Planning Commission, Dover, New Hampshire, June 1978.

Open Space, A Handbook for Citizens of the Strafford Planning Region of New Hampshire, Strafford Regional Planning Commission, Dover, New Hampshire, April 1977.

Boston Harbor, Challenges and Opportunities for the 1980's, Boston Redevelopment Authority, October 1980.

Charleston Waterfront Park, Master Plan, City Of Charleston, September 1980.

Landmark, a Sub-Area Study, prepared for Jack H. Nelson, by Sasaki Associates, Inc., March 1981.

Manchester Riverfront Park System, prepared for by the City of Manchester Parks and Recreation Department, by Brown and Rowe, November 1981.

Report on Site Furniture and Streetscape Improvements for the Manchester Riverfront Park System, for the City of Manchester Parks and Recreation Department, by Brown and Rowe, April 1983.

REGISTRATION

Massachusetts

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CLARISSA ROWE
Landscape Architect

EDUCATION

Conway School of Landscape Design, Conway, Massachusetts, Graduate, 1974.

Bryn Mawr College, Bachelor of Arts, 1970.

PROFESSIONAL EXPERIENCE

Brown and Rowe, Partner, principal-in-charge of Manchester Riverfront Park System in Manchester, New Hampshire; Gateway Park and William Loeb Park; Arms Park Promenade; all three parks in Manchester, New Hampshire completed Spring 1984; Winthrop Park, Cambridge, Massachusetts, Charlestown Navy Yard, Phase III, Boston, Massachusetts; Route 2 Relocation Project, Franklin County, Massachusetts; Beaver Country Day School, Brookline, Massachusetts.

Principal overview for Boarding House Park, Lowell; Whittier School Conversion, Boston; Brockton E.O.C.D. Housing, Brockton; East Bridgewater E.O.C.D. Housing, East Bridgewater; Youville Hospital Site Improvements, Cambridge; Barry Residence, Cambridge; Leach Residence, Attleboro; Hawthorne-by-the-Sea Restaurant, Swampscott; all of Massachusetts; Hartford Pedestrian Transit Project Site Improvements, Hartford, Connecticut; and Stark Street Plaza, Manchester, New Hampshire.

Clarissa Rowe, Landscape Architect, principal in charge of site design, contract documents and site supervision for residential and institutional projects in Massachusetts, Vermont and Maryland, 1980-1981.

Sasaki Associates, Inc., Associate, project manager for a wide range of projects which included the financial administration of the Kuwait Waterfront Project Final Design; master plan report for the Kuwait Waterfront Development; and site planning and site supervision for the Wheelabrator-Frye Corporate Headquarters, Hampton, New Hampshire, project landscape architect for the Kuwait Waterfront Master Plan Design, 1976-1980.

CLARISSA ROWE

The Architects Collaborative, project staff for master planning, site development and contract documents for landscape projects in the Middle East and Massachusetts, 1975-1976.

PREVIOUS EXPERIENCE

Boston Symphony Orchestra, writer, 1971-1973.

WGBH Educational Foundation, fundraiser, 1970-1971.

REGISTRATION

Massachusetts

MEMBERSHIPS AND AFFILIATIONS

Green Industry Council, Executive Council American Society of Landscape Architects
Boston Preservation Alliance

PUBLICATIONS

Boston Symphony Orchestra, Pops Program Notes, 1972-1973.

Kuwait Waterfront Project Master Plan, a study for the Municipality of Kuwait, prepared by Sasaki Associates, Inc. with Ghazi Sultan and Kuwaiti Engineers Office, 1978.

Manchester Riverfront Park System, prepared for the City of Manchester Parks and Recreation Department, by Brown and Rowe, November 1981.

Brown and Rowe
Landscape Architects
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KATHARINE E. TROAST
Project Landscape Architect

EDUCATION

Conway School of Landscape Design, Conway, Massachusetts, Graduate, 1980.

Middlebury College, Bachelor of Arts in Economics, 1976.

PROFESSIONAL EXPERIENCE

Brown and Rowe, Associates, project manager and project designer Eastern Canal Park, Lowell, MA; Winthrop Square Park, Cambridge, MA; Boarding House Park, Lowell, MA; the Amoskeag Heritage Walk, Manchester, NH; and other commercial and residential projects in Massachusetts.

Albert Veri and Associates, Inc., Providence, RI, designer and manager for urban design and public open space projects, parks and recreation projects, commercial development and residential plans including Kennedy Plaza Transit Mall and Urban Design Plan, Providence, RI; Warwick City Park Master Plan, Warwick, RI; Furnace Hill Brook and Oaklawn Soapstone Quarry Historic Parks, Cranston, RI; Fall River Parks Plan, Fall River, Massachusetts; University of Rhode Island Campus Planning, Kingston, RI, 1982-1984.

Carr, Lynch Associates, Cambridge, Massachusetts, project staff for planning, site design and construction documents including Franklin Field Public Housing, Dorchester, MA; Near East Riverfront, Detroit, MI; Downtown Design, Reno, NV, 1981-1982.

Parks and Recreation Department, Manchester, NH; Consultant: prepared five-year rehabilitation and development plan for the City's parks and recreation system, 1980-1981.

Central Vermont Regional Planning Commission, Montpelier, Vermont, planner, developed data base and economic development plan for two-county area. Established regional small business assistance network; organized workshops on economic issues, 1977-1979.

KATHARINE E. TROAST

OTHER EXPERIENCE

Our Town Landscaping, Hancock, New Hampshire, designer/builder of residential landscapes, 1980.

Vermont Tomorrow, Montpelier, Vermont, community organizer and planner. Coordinated statewide conference on rural development, 1977.

Strafford Regional Planning Commission, Dover, New Hampshire, environmental intern. Inventoried and mapped community services and harbor facilities in coastal municipalities for the Coastal Zone Management Studies.

PUBLICATIONS

Warwick City Park, Master Plan for Land Use and Recreation, Albert Veri and Associates, Inc., Providence, Rhode Island, June 1984.

Near East Riverfront Development Plan, Detroit, Michigan, Carr, Lynch Associates, Cambridge, Massachusetts, March 1982.

Manchester's Parks and Recreation, Recovery Action Plan, prepared for City of Manchester, New Hampshire, Parks and Recreation Department, February 1981.

Manchester's Riverfront, Manchester, New Hampshire, prepared for Manchester, New Hampshire, Parks and Recreation Department, by Conway School of Landscape Design, June 1980.

A Citizen Guide to Community Economic Development, Vermont Tomorrow, April 1977.

MEMBERSHIPS

American Society of Landscape Architects

REGISTRATION

Rhode Island
Massachusetts - Registration # 909

AFFIRMATIVE ACTION

AFFIRMATIVE ACTION POLICY

I. It is the policy of Bayside Engineering Associates, Inc. to:

A. Recruit, hire, train, and promote persons in all job titles, without regard to race, color, religion, handicap, national origin, veteran status, age or sex, except where age or sex are a bona fide occupational qualification as stated under the Civil Rights Act of 1964, under Executive Order 11246, as amended.

B. Base decisions on employment so as to further the Principle of Equal Employment Opportunity.

C. Insure that promotion decisions are in accord with principles of equal employment opportunity by imposing only valid requirements for promotional opportunities.

D. Insure that all personnel actions such as compensation, benefits, transfers, company sponsored training, education, tuition assistance and social and recreational programs will be administered without regard to race, color, religion, age, sex, handicap, or national origin.

II. The firm has an Affirmative Action Officer, Manuel A. Priante, Personnel Officer, who coordinates our Affirmative Action Policy and Programs. The content, construction, reporting and monitoring of the programs are administered by Mr. Priante and, therefore, all inquiries concerning Equal Employment Opportunity/Affirmative Action should be directed to him in the Personnel Department.

III. Our affirmative Action Program is designated to accomplish two objectives: (1) To reaffirm our continued commitment to a program of merit employment policies and (2) To assert leadership within the community and to put forth the maximum effort to achieve a balanced work force, reflective of the population within our business or recruitment area.

IV. We are committed to making steady and measurable progress toward the achievement of our Affirmative Action goals. The ultimate responsibility for successfully fulfilling the intent of this policy lies with every Manager, Supervisor, and Employee to actively support the philosophy and policies contained in our Equal Employment Opportunity/Affirmative Action Program.

Signed,

A. Paul La Rosa
Chief, Executive Officer

Manuel A. Priante
Personnel Officer

EQUAL EMPLOYMENT OPPORTUNITY/AFFIRMATIVE ACTION PROGRAM

1988

PREFACE

Bayside Engineering Associates, Inc. is committed to offering employment, training, and promotion opportunities without regard to an applicant's or employee's race, color, religion, handicap, national origin, veterans status, age or sex.

Our Affirmative Action Program is designed to accomplish two objectives: (1) to reaffirm our continued commitment to a program of merit employment policies and (2) to assert leadership within the community and to put forth the maximum effort to achieve a balanced work force, reflective of the population within our business or recruitment area.

Bayside further recognizes that the effective application of a policy of merit employment involved more than just a policy statement and will, therefore, undertake a program of affirmative action to make known that equal employment opportunities are available on the basis of individual merit, and to encourage all persons to seek employment with Bayside and to strive for advancement on this basis.

The Management of Bayside Engineering Associates, Inc. has prepared this written Affirmative Action Plan on a strictly voluntary basis. In the preparation of this Affirmative Action Plan, the terminology used in E.O. 11246, and its implementing regulations, has been used as a guide by Bayside. The use of such terminology should not be construed as an admission by Bayside, in whole or in part, that in fact Bayside is in violation of Federal, State, or local fair employment practice laws.

In developing and implementing this Affirmative Action Program, Bayside has been guided by its established policy of providing equal employment opportunity. The goals which Bayside has formulated in conjunction with this Affirmative Action Program are not intended as rigid, inflexible quotas that must be met, but rather as targets toward which Bayside will apply every good faith effort.

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